API Well Number: 43047520460000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER KC 10-32E	
2. TYPE OF WORK DRILL NEW WELL ● REENTER P&A WELL ○ DEEPEN WELL ○	**3. FIELD OR WILDCAT** NATURAL BUTTES
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO	**5. UNIT or COMMUNITIZATION AGREEMENT NAME**
6. NAME OF OPERATOR XTO ENERGY INC	**7. OPERATOR PHONE** 505 333-3159
8. ADDRESS OF OPERATOR 382 Road 3100, Aztec, NM, 87410	**9. OPERATOR E-MAIL** kyla_vaughan@xtoenergy.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-47059	**11. MINERAL OWNERSHIP** FEDERAL ○ INDIAN ○ STATE ● FEE ○
	12. SURFACE OWNERSHIP FEDERAL ○ INDIAN ○ STATE ● FEE ○
13. NAME OF SURFACE OWNER (if box 12 = 'fee')	**14. SURFACE OWNER PHONE (if box 12 = 'fee')**
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')	**16. SURFACE OWNER E-MAIL (if box 12 = 'fee')**
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	**18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS** YES ○ (Submit Commingling Application) NO ●
	19. SLANT VERTICAL ○ DIRECTIONAL ● HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1290 FSL 2053 FEL	SWSE	32	10.0 S	19.0 E	S
Top of Uppermost Producing Zone	2000 FSL 1900 FEL	NWSE	32	10.0 S	19.0 E	S
At Total Depth	2000 FSL 1900 FEL	NWSE	32	10.0 S	19.0 E	S

21. COUNTY UINTAH	**22. DISTANCE TO NEAREST LEASE LINE (Feet)** 1290	**23. NUMBER OF ACRES IN DRILLING UNIT** 560
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 25	**26. PROPOSED DEPTH** MD: 10090 TVD: 10000
27. ELEVATION - GROUND LEVEL 5365	**28. BOND NUMBER** 104312762	**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE** 43-10447

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	9.625	0 - 2250	36.0	J-55 ST&C	8.8	Type V	223	3.82	22.95
							Class G	350	1.2	15.6
Prod	7.875	5.5	0 - 10090	17.0	N-80 LT&C	9.2	Premium Plus	357	3.1	11.6
							Class G	400	1.49	9.09

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

NAME Krista Wilson	**TITLE** Permitting Tech	**PHONE** 505 333-3647
SIGNATURE	**DATE** 09/30/2011	**EMAIL** krista_wilson@xtoenergy.com

API NUMBER ASSIGNED 43047520460000 **APPROVAL**

Received: December 29, 2011

XTO ENERGY INC.

KC 10-32E
APD Data
May 30, 2008

Location: 1290' FSL & 2053' FEL, Sec. 32, T10S, R19E **County**: Uintah **State**: Utah
Bottomhole Location: 2000' FSL & 1900' FEL, Sec. 32, T10S, R19E

GREATEST PROJECTED TD: 10090' MD/ 10000' TVD OBJECTIVE: Wasatch/Mesaverde
APPROX GR ELEV: 5365' Est KB ELEV: 5379' (14' AGL)

1. MUD PROGRAM:

INTERVAL	0' to 2256'	2256' to 10090'
HOLE SIZE	12.25"	7.875"
MUD TYPE	FW/Spud Mud	KCl Based LSND / Gel Chemical
WEIGHT	8.80	8.6-9.2
VISCOSITY	NC	30-60
WATER LOSS	NC	8-15

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing purposes. The mud system will be monitored visually/manually.

2. CASING PROGRAM:

Surface Casing: 9.625" casing set at ±2256'MD/2200'TVD in a 12.25" hole filled with 8.8 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-2256'	2256'	36#	J-55	ST&C	2020	3520	394	8.921	8.765	2.57	4.47	4.85

Production Casing: 5.5" casing set at ±10090'MD/10000'TVD in a 7.875" hole filled with 9.20 ppg mud.

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-10090'	10090'	17#	N-80	LT&C	6280	7740	348	4.892	4.767	1.66	2.05	2.03

Collapse and burst loads calculated at TVD with 0.1 psi/ft gas gradient back up.

3. WELLHEAD:

A. Casing Head: Larkin Fig 92 (or equivalent), 9" nominal, 2,000 psig WP (4,000 psig test) with 9-5/8" 8rnd thread on bottom (or slip-on, weld-on) and 11-3/4" 8rnd thread on top.
B. Tubing Head: Larkin Fig 612 (or equivalent), 6.456" nominal, 5,000 psig WP, 5-1/2" 8rnd female thread on bottom (or slip-on, weld-on), 8-5/8" 8rnd thread on top.

4. CEMENT PROGRAM:

A. Surface: 9.625", 36#, J-55 (or equiv.), ST&C casing to be set at ±2256' in 12.25" hole.

LEAD:
±223 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.0 ppg, 3.82 ft^3/sk, 22.95 gal wtr/sx.

TAIL:
350 sx Class G or equivalent cement with bonding additive, LCM, dispersant, & fluid loss mixed at 15.6 ppg, 1.2 cuft/sx

Total estimated slurry volume for the 9.625" surface casing is 1270.6 ft³. Slurry includes 75% excess of calculated open hole annular volume to 2256'.

B. Production: 5.5", 17#, N-80 (or equiv.), LT&C casing to be set at ±10090' in 7.875" hole.

LEAD:
±357 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.6 ppg, 3.10 ft³/sk, 17.71 gal wtr/sx.

TAIL:
400 sx Class G or equivalent cement with poz, bonding additive, LCM, dispersant, & fluid loss mixed at 13.0 ppg, 1.49 cuft/sx, 9.09 gal/sx.

Total estimated slurry volume for the 5.5" production casing is 1701.2 ft³. Slurry includes 15% excess of calculated open hole annular volume.

Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined from the caliper logs plus 15% or greater excess. The cement is designed to circulate on surface casing string. The production casing is designed for 1756' top of cement.

5. LOGGING PROGRAM:

A. Mud Logger: The mud logger will come on at intermediate casing point and will remain on the hole until TD. The mud will be logged in 10' intervals.

B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (10090') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (10090') to 2256'. Run Gamma Ray to surface.

6. FORMATION TOPS:

Please see attached directional plan.

7. ANTICIPATED OIL, GAS, & WATER ZONES:

A.

Formation	Expected Fluids	TV Depth Top
Wasatch Tongue	Oil/Gas/Water	3,854
Green River Tongue	Oil/Gas/Water	4,194
Wasatch*	Gas/Water	4,334
Chapita Wells*	Gas/Water	5,224
Uteland Buttes	Gas/Water	6,584
Mesaverde*	Gas/Water	7,459
Castlegate	Gas/Water	N/A

B. Appropriately weighted mud will be used to isolate potential gas, oil, and water zones until such time as casing can be cemented into place for zonal isolation.

C. There are no known potential sources of H_2S.

D. The bottomhole pressure is anticipated to be between 4200 psi and 4600 psi.

8. BOP EQUIPMENT:

Surface will not utilize a bop stack.

Production hole will be drilled with a 3000 psi BOP stack.

Minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double ram with annular, 3000 psi w.p.

Ram type preventers and associated equipment shall be tested to stack working pressure if isolated by test plug or to 70% of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10% in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50% of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

a. when initially installed:

b. whenever any seal subject to test pressure is broken

c. following related repairs; and

d. at 30 day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) shall be held open or the ball removed.

Annular preventers (if used) shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

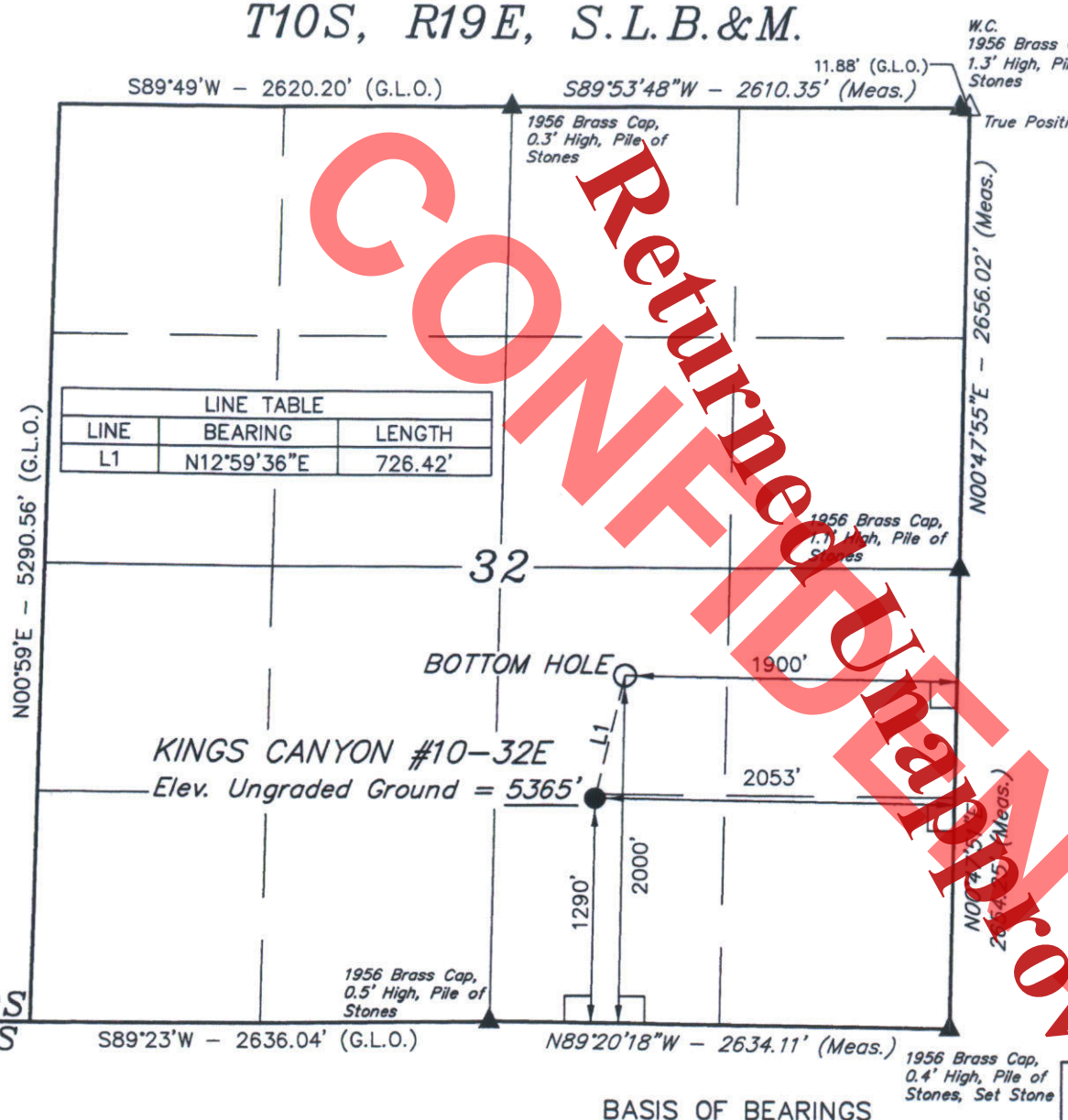
A BOPE pit level drill shall be conducted weekly for each drilling crew.

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No.2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests. Pressure tests shall apply to all related well control equipment.

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Test pressures for BOP equipment are as follows:

Annular BOP -- 1500 psi
Ram type BOP -- 3000 psi

T10S, R19E, S.L.B.&M.



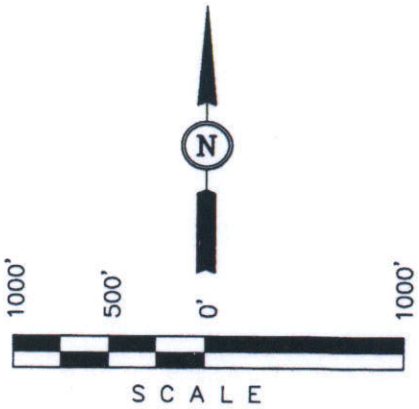
LINE TABLE		
LINE	BEARING	LENGTH
L1	N12°59'36"E	726.42'

XTO ENERGY, INC.

Well location, KINGS CANYON #10–32E, located as shown in the SW 1/4 SE 1/4 of Section 32, T10S, R19E, S.L.B.&M., Uintah County Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 11–26–07

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(NAD 83)
LATITUDE = 39°53'59.39" (39.899831)
LONGITUDE = 109°48'12.71" (109.803531)
(NAD 27)
LATITUDE = 39°53'59.52" (39.899867)
LONGITUDE = 109°48'10.20" (109.802833)

LEGEND:

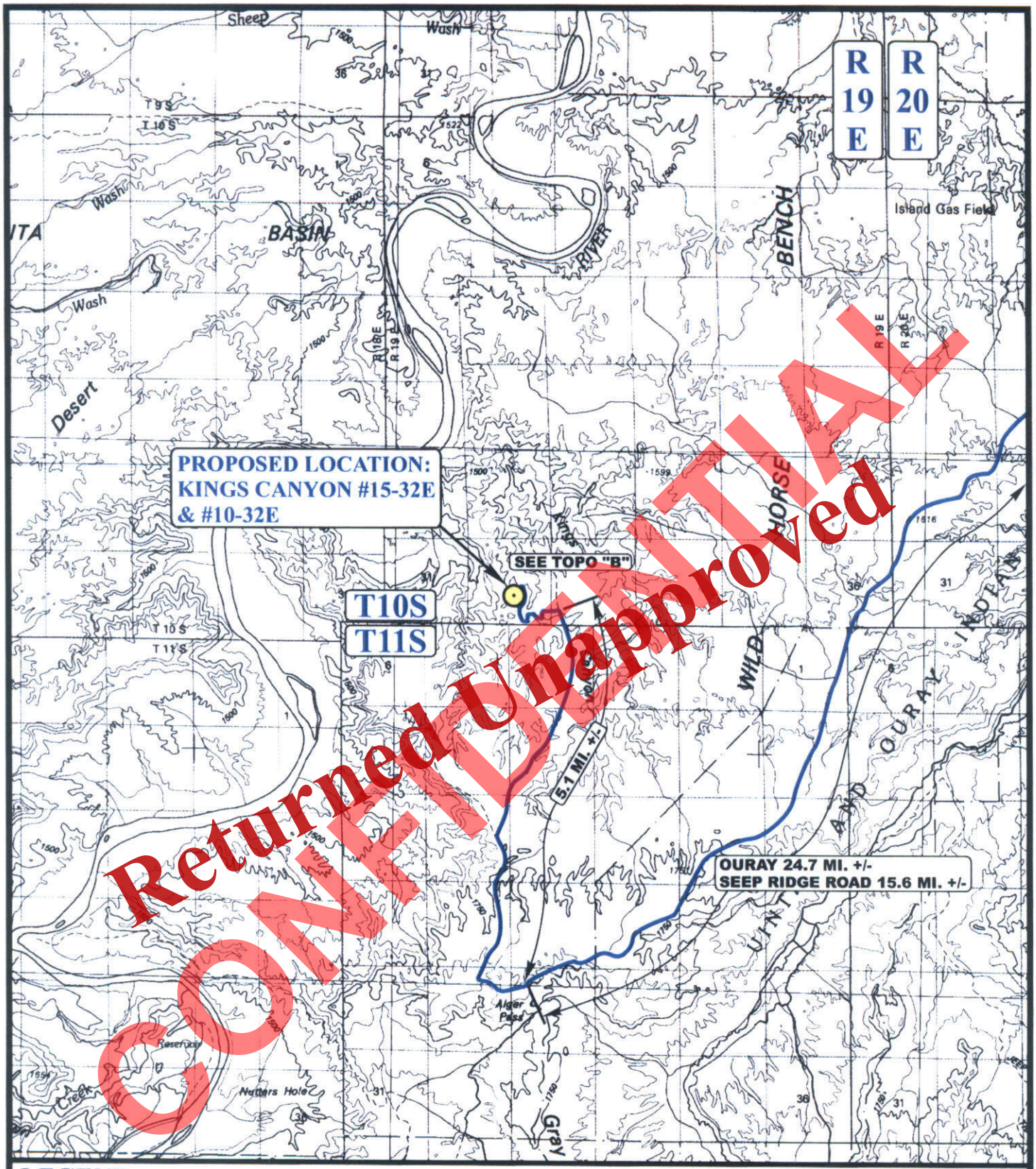
└ = 90° SYMBOL
● = PROPOSED WELL HEAD.
▲ = SECTION CORNERS LOCATED.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789–1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	05–19–06	05–24–06
PARTY: B.B. T.A. A.S. L.K.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	FILE: XTO ENERGY, INC.	

API Well Number: 43047520460000

API Well Number: 43047520460000



LEGEND:

PROPOSED LOCATION

N

XTO ENERGY, INC.

KINGS CANYON #15-32E & #10-32E
SECTION 32, T10S, R19E, S.L.B.&M.
SW 1/4 SE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	26 DAY	06 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: C.H.	REV: 11-27-07 C.C.		

EXHIBIT A

XTO Energy

Natural Buttes Wells(NAD83)
KC 10-32E
KC 10-32E
KC 10-32E

Plan: Sundry'd Wellbore

Standard Planning Report

28 May, 2008

RECEIVED
JUN 02 2008
DIV. OF OIL, GAS & MINING

XTO ENERGY

Well Name: KC 10-32E

San Juan Division
Drilling Department

Calculation Method: Minimum Curvature
Geodetic Datum: North American Datum 1983
Lat: 39° 53' 59.392 N
Long: 109° 48' 12.712 W

Azimuths to True North
Magnetic North: 11.62°

Magnetic Field
Strength: 52601.2nT
Dip Angle: 65.82°
Date: 12/4/2007
Model: IGRF200510

SECTION DETAILS

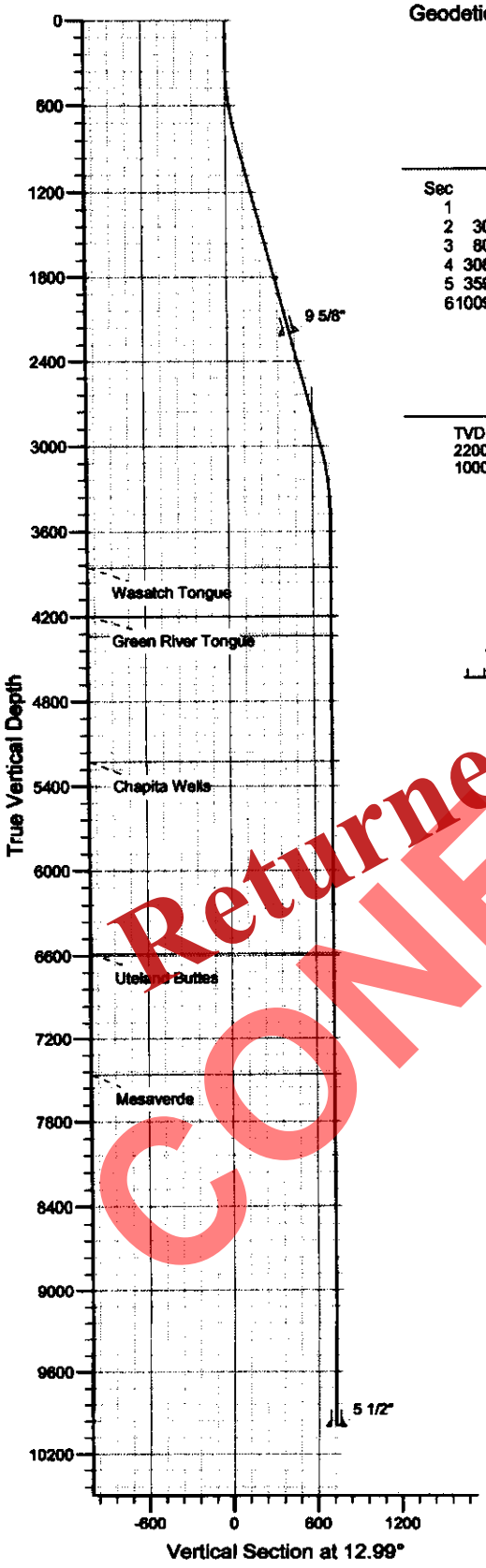
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	803.0	15.09	12.99	797.2	64.2	14.8	3.00	12.99	65.9	
4	3087.4	15.09	12.99	3002.8	643.7	148.5	0.00	0.00	660.6	
5	3590.4	0.00	0.00	3500.0	707.8	163.3	3.00	180.00	726.4	KC 10-32E -- Requested BHL
6	10090.4	0.00	0.00	10000.0	707.8	163.3	0.00	0.00	726.4	

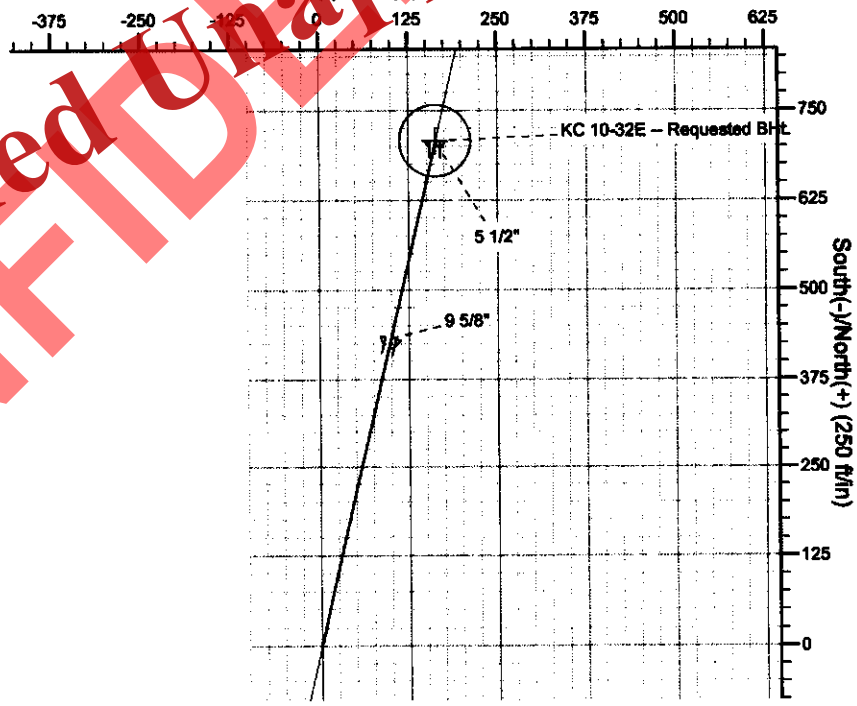
CASING DETAILS

TVD	MD	Name	Size
2200.0	2255.9	9 5/8"	9-5/8
10000.0	10090.4	5 1/2"	5-1/2

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3854.0	3944.4	Wasatch Tongue
4194.0	4284.4	Green River Tongue
4334.0	4424.4	Wasatch
5224.0	5314.4	Chapita Wells
6284.0	6374.4	Uteland Buttes
7459.0	7549.4	Mesaverde





XTO Energy, Inc.

Planning Report

Database:	EDM 2003.14 Single User Db	**Local Co-ordinate Reference:**	Well KC 10-32E
Company:	XTO Energy	**TVD Reference:**	Rig KB @ 5379.0ft (Frontier #6)
Project:	Natural Buttes Wells(NAD83)	**MD Reference:**	Rig KB @ 5379.0ft (Frontier #6)
Site:	KC 10-32E	**North Reference:**	True
Well:	KC 10-32E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	KC 10-32E		
Design:	Sundry'd Wellbore		

Project	Natural Buttes Wells(NAD83), Vernal, UT		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Utah Northern Zone		

Site	KC 10-32E, T10S, R19E				
Site Position:		**Northing:**	3,127,534.25 ft	**Latitude:**	39° 53' 59.392 N
From:	Lat/Long	**Easting:**	2,116,478.42 ft	**Longitude:**	109° 48' 12.712 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	1.12 °

Well	KC 10-32E, S-Well to Wasatch/Mesaverde					
Well Position	**+N/-S**	0.0 ft	**Northing:**	3,127,534.25 ft	**Latitude:**	39° 53' 59.392 N
	+E/-W	0.0 ft	**Easting:**	2,116,478.42 ft	**Longitude:**	109° 48' 12.712 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	5,365.0 ft	**Ground Level:**	5,365.0 ft

Wellbore	KC 10-32E				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF200510	12/4/2007	11.82	65.82	52,601

Design	Sundry'd Wellbore				
Audit Notes:					
Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**	
	0.0	0.0	0.0	12.99	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
803.0	15.09	12.99	797.2	64.2	14.8	3.00	3.00	0.00	12.99	
3,087.4	15.09	12.99	3,002.8	643.7	148.5	0.00	0.00	0.00	0.00	
3,590.4	0.00	0.00	3,500.0	707.8	163.3	3.00	-3.00	0.00	180.00	KC 10-32E – Request
10,090.4	0.00	0.00	10,000.0	707.8	163.3	0.00	0.00	0.00	0.00	

XTO Energy, Inc.

Planning Report

Database:	EDM 2003.14 Single User Db	**Local Co-ordinate Reference:**	Well KC 10-32E
Company:	XTO Energy	**TVD Reference:**	Rig KB @ 5379.0ft (Frontier #6)
Project:	Natural Buttes Wells(NAD83)	**MD Reference:**	Rig KB @ 5379.0ft (Frontier #6)
Site:	KC 10-32E	**North Reference:**	True
Well:	KC 10-32E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	KC 10-32E		
Design:	Sundry'd Wellbore		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	3.00	12.99	400.0	2.6	0.6	2.6	3.00	3.00	0.00
500.0	6.00	12.99	499.6	10.2	2.4	10.5	3.00	3.00	0.00
600.0	9.00	12.99	598.8	22.9	5.3	23.5	3.00	3.00	0.00
700.0	12.00	12.99	697.1	40.7	9.4	41.7	3.00	3.00	0.00
803.0	15.09	12.99	797.2	64.2	14.8	65.9	3.00	3.00	0.00
900.0	15.09	12.99	890.9	88.8	20.5	91.1	0.00	0.00	0.00
1,000.0	15.09	12.99	987.4	114.1	26.3	117.1	0.00	0.00	0.00
1,100.0	15.09	12.99	1,084.0	139.5	32.2	143.2	0.00	0.00	0.00
1,200.0	15.09	12.99	1,180.5	164.9	38.0	169.2	0.00	0.00	0.00
1,300.0	15.09	12.99	1,277.1	190.2	43.9	195.2	0.00	0.00	0.00
1,400.0	15.09	12.99	1,373.6	215.6	49.7	221.3	0.00	0.00	0.00
1,500.0	15.09	12.99	1,470.2	241.0	55.6	247.3	0.00	0.00	0.00
1,600.0	15.09	12.99	1,566.7	266.4	61.4	273.3	0.00	0.00	0.00
1,700.0	15.09	12.99	1,663.3	291.7	67.3	299.4	0.00	0.00	0.00
1,800.0	15.09	12.99	1,759.8	317.1	73.1	325.4	0.00	0.00	0.00
1,900.0	15.09	12.99	1,856.4	342.5	79.0	351.4	0.00	0.00	0.00
2,000.0	15.09	12.99	1,952.9	367.8	84.9	377.5	0.00	0.00	0.00
2,100.0	15.09	12.99	2,049.5	393.2	90.7	403.5	0.00	0.00	0.00
2,200.0	15.09	12.99	2,146.0	418.6	96.6	429.5	0.00	0.00	0.00
2,255.9	15.09	12.99	2,200.0	432.7	99.8	444.1	0.00	0.00	0.00
9 5/8"									
2,300.0	15.09	12.99	2,242.6	443.9	102.4	455.6	0.00	0.00	0.00
2,400.0	15.09	12.99	2,339.1	469.3	108.3	481.6	0.00	0.00	0.00
2,500.0	15.09	12.99	2,435.7	494.7	114.1	507.7	0.00	0.00	0.00
2,600.0	15.09	12.99	2,532.2	520.0	120.0	533.7	0.00	0.00	0.00
2,700.0	15.09	12.99	2,628.8	545.4	125.8	559.7	0.00	0.00	0.00
2,800.0	15.09	12.99	2,725.3	570.8	131.7	585.8	0.00	0.00	0.00
2,900.0	15.09	12.99	2,821.9	596.1	137.5	611.8	0.00	0.00	0.00
3,000.0	15.09	12.99	2,918.4	621.5	143.4	637.8	0.00	0.00	0.00
3,087.4	15.09	12.99	3,002.8	643.7	148.5	660.6	0.00	0.00	0.00
3,100.0	14.71	12.99	3,015.0	646.8	149.2	663.8	3.00	-3.00	0.00
3,200.0	11.71	12.99	3,112.4	669.1	154.3	686.7	3.00	-3.00	0.00
3,300.0	8.71	12.99	3,210.8	686.4	158.3	704.4	3.00	-3.00	0.00
3,400.0	5.71	12.99	3,310.0	698.6	161.2	716.9	3.00	-3.00	0.00
3,500.0	2.71	12.99	3,409.7	705.7	162.8	724.3	3.00	-3.00	0.00
3,590.4	0.00	0.00	3,500.0	707.8	163.3	726.4	3.00	-3.00	0.00
KC 10-32E – Requested BHL									
3,600.0	0.00	0.00	3,509.6	707.8	163.3	726.4	0.00	0.00	0.00
3,700.0	0.00	0.00	3,609.6	707.8	163.3	726.4	0.00	0.00	0.00
3,800.0	0.00	0.00	3,709.6	707.8	163.3	726.4	0.00	0.00	0.00
3,900.0	0.00	0.00	3,809.6	707.8	163.3	726.4	0.00	0.00	0.00
3,944.4	0.00	0.00	3,854.0	707.8	163.3	726.4	0.00	0.00	0.00
Wasatch Tongue									
4,000.0	0.00	0.00	3,909.6	707.8	163.3	726.4	0.00	0.00	0.00
4,100.0	0.00	0.00	4,009.6	707.8	163.3	726.4	0.00	0.00	0.00
4,200.0	0.00	0.00	4,109.6	707.8	163.3	726.4	0.00	0.00	0.00
4,284.4	0.00	0.00	4,194.0	707.8	163.3	726.4	0.00	0.00	0.00
Green River Tongue									
4,300.0	0.00	0.00	4,209.6	707.8	163.3	726.4	0.00	0.00	0.00

XTO Energy, Inc.

Planning Report

Database:	EDM 2003.14 Single User Db	**Local Co-ordinate Reference:**	Well KC 10-32E
Company:	XTO Energy	**TVD Reference:**	Rig KB @ 5379.0ft (Frontier #6)
Project:	Natural Buttes Wells(NAD83)	**MD Reference:**	Rig KB @ 5379.0ft (Frontier #6)
Site:	KC 10-32E	**North Reference:**	True
Well:	KC 10-32E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	KC 10-32E		
Design:	Sundry'd Wellbore		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,400.0	0.00	0.00	4,309.6	707.8	163.3	726.4	0.00	0.00	0.00
4,424.4	0.00	0.00	4,334.0	707.8	163.3	726.4	0.00	0.00	0.00
Wasatch									
4,500.0	0.00	0.00	4,409.6	707.8	163.3	726.4	0.00	0.00	0.00
4,600.0	0.00	0.00	4,509.6	707.8	163.3	726.4	0.00	0.00	0.00
4,700.0	0.00	0.00	4,609.6	707.8	163.3	726.4	0.00	0.00	0.00
4,800.0	0.00	0.00	4,709.6	707.8	163.3	726.4	0.00	0.00	0.00
4,900.0	0.00	0.00	4,809.6	707.8	163.3	726.4	0.00	0.00	0.00
5,000.0	0.00	0.00	4,909.6	707.8	163.3	726.4	0.00	0.00	0.00
5,100.0	0.00	0.00	5,009.6	707.8	163.3	726.4	0.00	0.00	0.00
5,200.0	0.00	0.00	5,109.6	707.8	163.3	726.4	0.00	0.00	0.00
5,300.0	0.00	0.00	5,209.6	707.8	163.3	726.4	0.00	0.00	0.00
5,314.4	0.00	0.00	5,224.0	707.8	163.3	726.4	0.00	0.00	0.00
Chapita Wells									
5,400.0	0.00	0.00	5,309.6	707.8	163.3	726.4	0.00	0.00	0.00
5,500.0	0.00	0.00	5,409.6	707.8	163.3	726.4	0.00	0.00	0.00
5,600.0	0.00	0.00	5,509.6	707.8	163.3	726.4	0.00	0.00	0.00
5,700.0	0.00	0.00	5,609.6	707.8	163.3	726.4	0.00	0.00	0.00
5,800.0	0.00	0.00	5,709.6	707.8	163.3	726.4	0.00	0.00	0.00
5,900.0	0.00	0.00	5,809.6	707.8	163.3	726.4	0.00	0.00	0.00
6,000.0	0.00	0.00	5,909.6	707.8	163.3	726.4	0.00	0.00	0.00
6,100.0	0.00	0.00	6,009.6	707.8	163.3	726.4	0.00	0.00	0.00
6,200.0	0.00	0.00	6,109.6	707.8	163.3	726.4	0.00	0.00	0.00
6,300.0	0.00	0.00	6,209.6	707.8	163.3	726.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,309.6	707.8	163.3	726.4	0.00	0.00	0.00
6,500.0	0.00	0.00	6,409.6	707.8	163.3	726.4	0.00	0.00	0.00
6,600.0	0.00	0.00	6,509.6	707.8	163.3	726.4	0.00	0.00	0.00
6,674.4	0.00	0.00	6,584.0	707.8	163.3	726.4	0.00	0.00	0.00
Uteland Buttes									
6,700.0	0.00	0.00	6,609.6	707.8	163.3	726.4	0.00	0.00	0.00
6,800.0	0.00	0.00	6,709.6	707.8	163.3	726.4	0.00	0.00	0.00
6,900.0	0.00	0.00	6,809.6	707.8	163.3	726.4	0.00	0.00	0.00
7,000.0	0.00	0.00	6,909.6	707.8	163.3	726.4	0.00	0.00	0.00
7,100.0	0.00	0.00	7,009.6	707.8	163.3	726.4	0.00	0.00	0.00
7,200.0	0.00	0.00	7,109.6	707.8	163.3	726.4	0.00	0.00	0.00
7,300.0	0.00	0.00	7,209.6	707.8	163.3	726.4	0.00	0.00	0.00
7,400.0	0.00	0.00	7,309.6	707.8	163.3	726.4	0.00	0.00	0.00
7,500.0	0.00	0.00	7,409.6	707.8	163.3	726.4	0.00	0.00	0.00
7,549.4	0.00	0.00	7,459.0	707.8	163.3	726.4	0.00	0.00	0.00
Mesaverde									
7,600.0	0.00	0.00	7,509.6	707.8	163.3	726.4	0.00	0.00	0.00
7,700.0	0.00	0.00	7,609.6	707.8	163.3	726.4	0.00	0.00	0.00
7,800.0	0.00	0.00	7,709.6	707.8	163.3	726.4	0.00	0.00	0.00
7,900.0	0.00	0.00	7,809.6	707.8	163.3	726.4	0.00	0.00	0.00
8,000.0	0.00	0.00	7,909.6	707.8	163.3	726.4	0.00	0.00	0.00
8,100.0	0.00	0.00	8,009.6	707.8	163.3	726.4	0.00	0.00	0.00
8,200.0	0.00	0.00	8,109.6	707.8	163.3	726.4	0.00	0.00	0.00
8,300.0	0.00	0.00	8,209.6	707.8	163.3	726.4	0.00	0.00	0.00
8,400.0	0.00	0.00	8,309.6	707.8	163.3	726.4	0.00	0.00	0.00
8,500.0	0.00	0.00	8,409.6	707.8	163.3	726.4	0.00	0.00	0.00
8,600.0	0.00	0.00	8,509.6	707.8	163.3	726.4	0.00	0.00	0.00
8,700.0	0.00	0.00	8,609.6	707.8	163.3	726.4	0.00	0.00	0.00
8,800.0	0.00	0.00	8,709.6	707.8	163.3	726.4	0.00	0.00	0.00

XTO Energy, Inc.
Planning Report

Database:	EDM 2003.14 Single User Db	**Local Co-ordinate Reference:**	Well KC 10-32E
Company:	XTO Energy	**TVD Reference:**	Rig KB @ 5379.0ft (Frontier #6)
Project:	Natural Buttes Wells(NAD83)	**MD Reference:**	Rig KB @ 5379.0ft (Frontier #6)
Site:	KC 10-32E	**North Reference:**	True
Well:	KC 10-32E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	KC 10-32E		
Design:	Sundry'd Wellbore		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,900.0	0.00	0.00	8,809.6	707.8	163.3	726.4	0.00	0.00	0.00
9,000.0	0.00	0.00	8,909.6	707.8	163.3	726.4	0.00	0.00	0.00
9,100.0	0.00	0.00	9,009.6	707.8	163.3	726.4	0.00	0.00	0.00
9,200.0	0.00	0.00	9,109.6	707.8	163.3	726.4	0.00	0.00	0.00
9,300.0	0.00	0.00	9,209.6	707.8	163.3	726.4	0.00	0.00	0.00
9,400.0	0.00	0.00	9,309.6	707.8	163.3	726.4	0.00	0.00	0.00
9,500.0	0.00	0.00	9,409.6	707.8	163.3	726.4	0.00	0.00	0.00
9,600.0	0.00	0.00	9,509.6	707.8	163.3	726.4	0.00	0.00	0.00
9,700.0	0.00	0.00	9,609.6	707.8	163.3	726.4	0.00	0.00	0.00
9,800.0	0.00	0.00	9,709.6	707.8	163.3	726.4	0.00	0.00	0.00
9,900.0	0.00	0.00	9,809.6	707.8	163.3	726.4	0.00	0.00	0.00
10,000.0	0.00	0.00	9,909.6	707.8	163.3	726.4	0.00	0.00	0.00
10,090.4	0.00	0.00	10,000.0	707.8	163.3	726.4	0.00	0.00	0.00
5 1/2"									

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
KC 10-32E – Requested - plan hits target - Circle (radius 50.0)	0.00	0.00	3,5[illegible]0.0	707.8	163.3	3,128,245.13	2,116,627.86	39° 54' 8.385 N	109° 48' 10.617 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,255.9	2,200.0	9 5/8"	9-5/8	12-1/4
10,090.4	10,000.0	5 1/2"	5-1/2	7-7/8

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,944.4	3,854.0	Wasatch Tongue		0.00	
4,284.4	4,194.0	Green River Tongue		0.00	
4,424.4	4,334.0	Wasatch		0.00	
5,314.4	5,224.0	Chapita Wells		0.00	
6,674.4	6,584.0	Uteland Buttes		0.00	
7,549.4	7,459.0	Mesaverde		0.00	

SURFACE USE PLAN

Name of Operator: **XTO Energy Inc.**

Address: **382 CR 3100**
Aztec, NM 87410

Well Location: **KC 10-32E**
Surface: 1290' FSL & 2053' FEL, SW/4 SE/4
Target: 2000' FSL & 1900' FEL, NW/4 SE/4
Section 32, T10S, R19E, SLB&M, Uintah County, Utah

The surface owner or surface owner representative and dirt contractor will be provided with an approved copy of the surface use plan of operations and approved conditions of approve before initiating construction.

1. **Existing Roads:**

   a. The proposed access route to the location shown on the USGS quadrangle map (see Exhibit "A").

   b. The proposed well site is located approximately 14.40 miles southwest of Ouray, Utah.

   c. Proceed in a westerly direction from Vernal, Utah along U.S. Highway 40 approximately 14.0 miles to the junction of State Highway 88. Exit left and proceed in a southerly direction for approximately 17.0 miles to Ouray, Utah. Proceed in a southerly, then southeasterly direction for approximately 9.1 miles on the Seep Ridge Road, to the junction of this road and an existing road to the south. Turn right and proceed in a southerly direction for approximately 2.8 miles to the junction of this road and an existing road to the west. Turn right and proceed in a westerly then southwesterly direction for approximately 0.5 miles to the junction of this road and an existing road to the north. Turn right and proceed in a northerly, then southwesterly direction for approximately 12.3 miles to the junction of this road and an existing road to the southwest. Turn right and proceed in a southwesterly, then northerly direction for approximately 5.1 miles to the beginning of the proposed access for the # 16-32E to the west. Follow the road flags in a westerly direction for approximately 350' to the beginning of the proposed access for the # 14-32E to the southeast. Follow the road flags in a southeasterly, then southwesterly, then northerly, then southwesterly direction approximately 1.2 miles to the beginning of the proposed access to the northeast. Follow the road flags in a northeasterly direction for approximately 100' to the proposed location.

   d. All existing roads within one mile (1) radius of the proposed well site are shown in Exhibit "B". If necessary, all existing roads that will be used for access to the proposed well location will be maintained to their current condition, or better, unless BLM or SITLA approval or consent is given to upgrade the existing road(s).

   e. The use of roads under State and County Road Department maintenance are necessary to access the Kings Canyon Unit area. However, an encroachment permit is not anticipated since no upgrades to the State or County Road system is anticipated at this time.

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f. All existing roads will be maintained and kept in good repair during all phases of operation.

g. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.

h. Since no improvements are anticipated to the State, County, Tribal or BLM access roads, no topsoil stripping will occur.

i. An off-lease federal Right-of-Way is needed for the off-lease portion (Section 33) of the access and pipeline corridor since both are located outside the existing state lease boundary.

2. Planned Access Roads:

a. Location (centerline): From the proposed KC 14-32E access road, an access is proposed trending northeast for approximately 100' to the proposed well site. The access consists of entirely new disturbance and crossed no significant drainages. A road design plan is not anticipated at this time.

b. The proposed access road will consist of a 24' travel surface within a 30' disturbed area.

c. SITLA approval to construct and utilize the proposed access road is requested with this application.

d. No turnouts are proposed since adequate site distance exists in all directions.

e. A maximum grade of 10% will be maintained throughout the project.

f. No gates or cattle guards are anticipated at this time.

g. Surface disturbance and vehicular travel will be limited to the approved location access road.

h. Adequate drainage structures and culverts will be incorporated into the road where practical.

i. No surfacing material will come from SITLA, Federal or Tribal lands.

j. All access roads and surface disturbing activities will conform to the standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development (Gold Book – Forth Edition – Revised 2007).

k. The operator will be responsible for all maintenance of the access roads, including any anticipated drainage structures.

l. Other: See general information below.

- If any additional Right-of-Way is necessary, no surface disturbing activities shall take place on the subject Right-of-Way until the associated APD is approved. The holder will adhere to conditions of approval in the Surface Use Program of the approved APD, relevant to any Right-of-Way facilities.

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- If a Right-of-Way is secured, boundary adjustments in the lease or unit shall automatically amend this Right-of-Way to include that portion of the facilities no longer contained within the lease or unit. In the event of an automatic amendment to this Right-of-Way grant, the prior on-lease/unit conditions of approval of this facility will not be affected even though they would now apply to facilities outside of the lease/unit as a result of a boundary adjustment. Rental fees, if appropriate shall be recalculated based on the conditions of this grant and the regulations in effect at the time of an automatic amendment.
- If at any time the facilities located on public lands authorized by the terms of this lease are no longer included in the lease (due to a contraction in the unit or lease or unit boundary change) the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental, or other financial obligations as determined by the BLM.
- If the well is productive, the access road will be rehabilitated as seeded and brought to Resource (Class II) Road Standards within a time period specified by SITLA or the BLM. If upgraded, the access road must be maintained at these standards until the well is properly abandoned. If this time frame cannot be met, the Field Office Manager will be notified so that temporary drainage control can be installed along the access road.

3. Location of Existing Wells:

a. All wells in a one (1) mile radius are shown within Exhibit "C".

4. Locations of Existing and or Proposed Production Facilities:

a. On-site facilities: Typical on-site facilities will consist of a wellhead, flowlines (typically 3" dia.), artificial lifting system (if necessary), wellhead compression (if necessary), gas/oil/water separator (3 phase), gas measurement and water measurement equipment, and a heated enclosure/building for weather and environmental protection. The tank battery will typically be constructed and surrounded by a berm of sufficient capacity to contain 1 ½ times the storage capacity of the largest tank the tanks typically necessary for the production of this well will be 1 – 300 bbl steel, above ground tank for oil/condensate and 1 – 300 bbl steel, about ground tank for produced water. All loading lines and valves for these tanks will be placed inside the berm surrounding the tank battery.

- All oil/condensate production and measurement shall conform to the provisions of 43 CFR 3162.7 and Onshore Oil and Gad Order No. 4, if applicable. Other on-site equipment and systems may include methanol injection and winter weather protection.
- All permanent (in place for six (6) months or longer) structures constructed or installed on the well site location will be painted a flat, nonreflective color, matching the ground and not sky, slightly darker than the adjacent landscape, as specified by the COA's in the approved APD. All facilities will be painted within six (6) months of installation. Facilities required to comply with the Occupations Safety and Health Act (OSHA) may be excluded.
- Site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.

b. Off-site Facilities: None

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c. A gas meter run will be constructed and located on lease within 500 feet of the well head. Meter runs will be housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.

d. A tank battery will be constructed on this lease; it will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production.

e. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice, and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

f. A pipeline corridor containing a single steel gas pipeline and a single steel or poly water pipeline is associated with this application and is being applied for at this time. The proposed pipeline corridor will leave the west side of the well site and traverse 140' southwest to the proposed KC 14-32E pipeline corridor. See Exhibit "D".

g. The gas pipeline will be 12" or less buried line and the water pipeline will be 12" or less buried line within a 75' wide disturbed pipeline corridor. The use of the proposed well site and access roads will facilitate as the staging of the pipeline corridor construction. A new buried pipeline corridor length of approximately 140' is associated with this well.

h. An existing pipeline corridor upgrade is proposed from the proposed KC 14-32E tie-in location to the east section line of Section 32 along the existing pipeline route.

i. The gas pipeline will be 12" or less buried line and the water pipeline will be a 12" or less buried line within a single trench and within a 75' wide disturbed pipeline corridor. The use of the existing well site and access roads will facilitate the staging of the pipeline corridor upgrade. An upgrade to a 75' wide buried pipeline corridor for approximately 6800' is associated with this application.

j. The proposed pipeline and pipeline upgrade are contained within SITLA surface.

k. XTO Energy Inc. intends to bury the pipeline where possible and connect the pipeline together utilizing conventional welding technology.

5. Location and Type of Water Supply:

a. No water supply pipeline pipelines will be laid for this well.

b. No water well will be drilled for this well.

c. Drilling water for this well will be hauled on the road(s) shown in Exhibit "B".

d. Water will be hauled from one of the following sources:

- Water Permit #43-10447, Section 33, T8S, R20E;
- Water Permit #43-2189, Section 33, T8S, R20E;
- Water Permit #49-2158, Section 33, T8S, R20E;

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- Water Permit #49-2262, Section 33, T8S, R20E;
- Water Permit #49-1645, Section 5, T9S, R22E;
- Water Permit #43-9077, Section 32, T6S, R20E;
- Tribal Resolution 06-183, Section 22, T10S, R20E.

6. Source of Construction Material:

a. The use of materials will conform to 43 CFR 3610.2-3.

b. No construction materials will be removed from SILTA, Ute Tribal or BLM lands.

c. If any gravel is used, it will be obtained from a state approved gravel pit.

7. Methods of Handling Waste:

a. All wastes associated with this application will be contained and disposed of utilizing approved facilities.

b. Drill cuttings will be contained and buried on site.

c. The reserve pit will be located outboard of the location and along the south side of the pad.

d. The reserve pit will be constructed so as not to leak, breach, or allow for any discharge.

e. The reserve pit will be lined with a 20 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt liner pad only if rock is encountered during excavation. The pit liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. The pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operations.

f. The reserve pit has been located in cut material. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced and a bird net installed as soon as drilling is completed, and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production will be rehabilitated.

g. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed if in association with the drilling, testing or completion of the well.

h. Trash will be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations. The contents of the trash container will be hauled off periodically to the approved Uintah County Landfill near Vernal, Utah.

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i. Produced fluids from the well other than water will be produced into a test tank until such time as the construction of the production facilities is complete. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.

j. After initial clean-up, a 400 bbl tank will be installed to contain produced waste water. This water will be transported from the tank to an approved XTO Energy Inc. disposal well for proper disposal.

k. Produced water from the production well will be disposed of at the RBU 13-11F or RBU 16-19F disposal wells in accordance with Onshore Order No. 7.

l. Any salts and/or chemicals, which are an integral part of the drilling system, will be disposed of in the same manner as the drilling fluid.

m. Sanitary facilities will be onsite at all times during operations. Sewage will be placed in a portable chemical toilet and the toiled replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

8. Ancillary Facilities:

a. Garbage containers and portable toilets are the only ancillary facilities proposed in this application.

b. No camps, airstrips or staging areas are proposed with this application.

9. Well Site Layout: (See Exhibit "E").

a. The well will be properly identified in accordance with 43 CFR 3162.6.

b. Access to the well pad will be from the west.

c. The pad and road designs are consistent with BLM and SITLA specifications.

d. A pre-construction meeting with responsible company representatives, contractors, and SITLA will be conducted at the project site prior to commencement of surface disturbing activities. The pad and road will be construction staked prior to this meeting.

e. The pad has been staked at its maximum size; however, it will be constructed smaller, if possible, depending in rig availability. Should the layout change, this application will be amended and approved utilizing a sundry notice.

f. All surface disturbing activities will be supervised by a qualified, responsible company representative who is aware of the term and conditions of the APD and specifications in the approved plans.

g. All cut and fill slopes will be such that stability can be maintained for the life of the activity.

h. Diversion ditches will be constructed and storm water BMP's installed around the well site to prevent surface water from entering the well site.

Received: September 30, 2011

i. The site surface will be graded to drain away from the pit to avoid pit spillage during large storm events.

j. The reserve pit will be properly fenced and a bird net installed to prevent any livestock, wildlife or migratory bird entry, and will remain so until site clean-up.

k. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe and useable condition.

l. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a windrow on the uphill side of the location to prevent possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and/or contamination.

m. The blooie line will be located at least 100 feet from the well head.

n. Water injection may be implemented in necessary to minimize the amount of fugitive dust.

10. Plans for Restoration of the Surface (Interim Reclamation and Final Reclamation):

a. Site reclamation for a producing well will be accomplished for the portions of the site not required for the continued operation of the well.

b. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. Once the reserve pit is dry, the plastic nylon liner shall be torn and perforated before backfilling of the reserve pit. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to match the approximate natural contours of the area.

c. Following the BLM published Best Management Practices and per the signed 2009 Reclamation Plan, the interim reclamation will be completed within 90 days of well completion or 120 days of well spud (weather permitting) to reestablish vegetation, reduce dust and erosion and compliment the visual resources of the area.

- All equipment and debris will be removed from the area proposed for interim reclamation and the pit area will be backfilled and re-contoured to match the surrounding topography.
- The area outside the rig anchors and other disturbed areas not needed for the operation of the well will be re-contoured to blend in with the surrounding topography and reseeded as prescribed by SITLA.
- Reclaimed areas receiving incidental disturbance during the line of the producing well will be re-contoured and reseeded as soon as practical.

d. The operator will control noxious wells along the access road use authorizations, pipeline route authorizations, well sites, or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained form the SITLA or the appropriate County Extension Office. On SITLA administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides, or possibly hazardous chemicals.

Received: September 30, 2011

e. Prior to final abandonment of the site, all disturbed areas, including the access road will be scarified and left with a rough surface. The site will then be reseeded and/or planted as prescribed by SITLA. A SITLA recommended seed mix will be detailed within their approval documents.

11. Surface and Mineral Ownership:

a. Surface Ownership – State of Utah – under the management of the SITLA – State Office, 675 East 500 South, Salt Lake City, Utah 84102; 801-538-5100.

b. Surface Ownership – State of Utah – under the management of the SITLA – State Office, 675 East 500 South, Salt Lake City, Utah 84102; 801-538-5100.

12. Other Information:

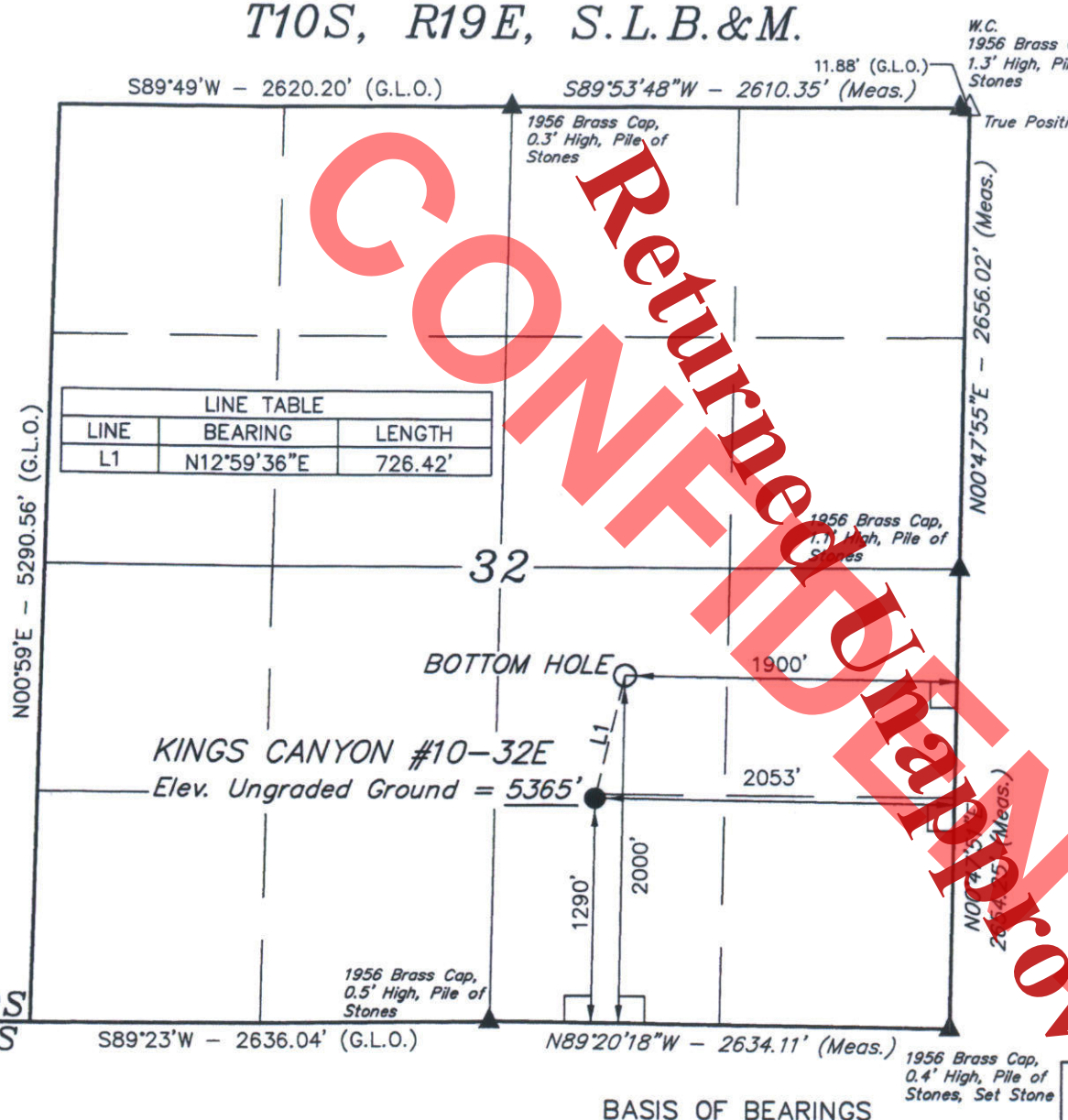
a. AIA Archaeological conducted a Class III archeological survey. A copy of the report was submitted under separate cover to the appropriate agencies with the first filing of this proposed APD

b. Alden Hamblin conducted a paleontological survey. A copy of the original report was submitted under separate cover to the appropriate agencies with the first filing of this proposed APD.

c. **An off-leaser Right-of-Way is necessary to any construction outside State Section 32.**

Received: September 30, 2011

T10S, R19E, S.L.B.&M.



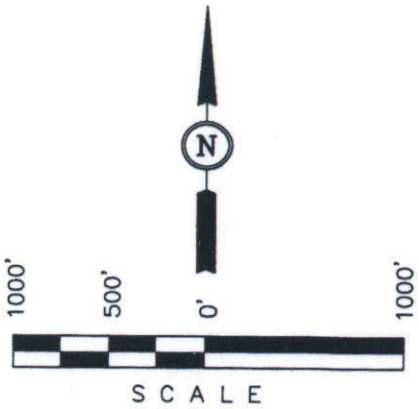
LINE TABLE		
LINE	BEARING	LENGTH
L1	N12°59'36"E	726.42'

XTO ENERGY, INC.

Well location, KINGS CANYON #10–32E, located as shown in the SW 1/4 SE 1/4 of Section 32, T10S, R19E, S.L.B.&M., Uintah County Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 11–26–07

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(NAD 83)
LATITUDE = 39°53'59.39" (39.899831)
LONGITUDE = 109°48'12.71" (109.803531)
(NAD 27)
LATITUDE = 39°53'59.52" (39.899867)
LONGITUDE = 109°48'10.20" (109.802833)

LEGEND:

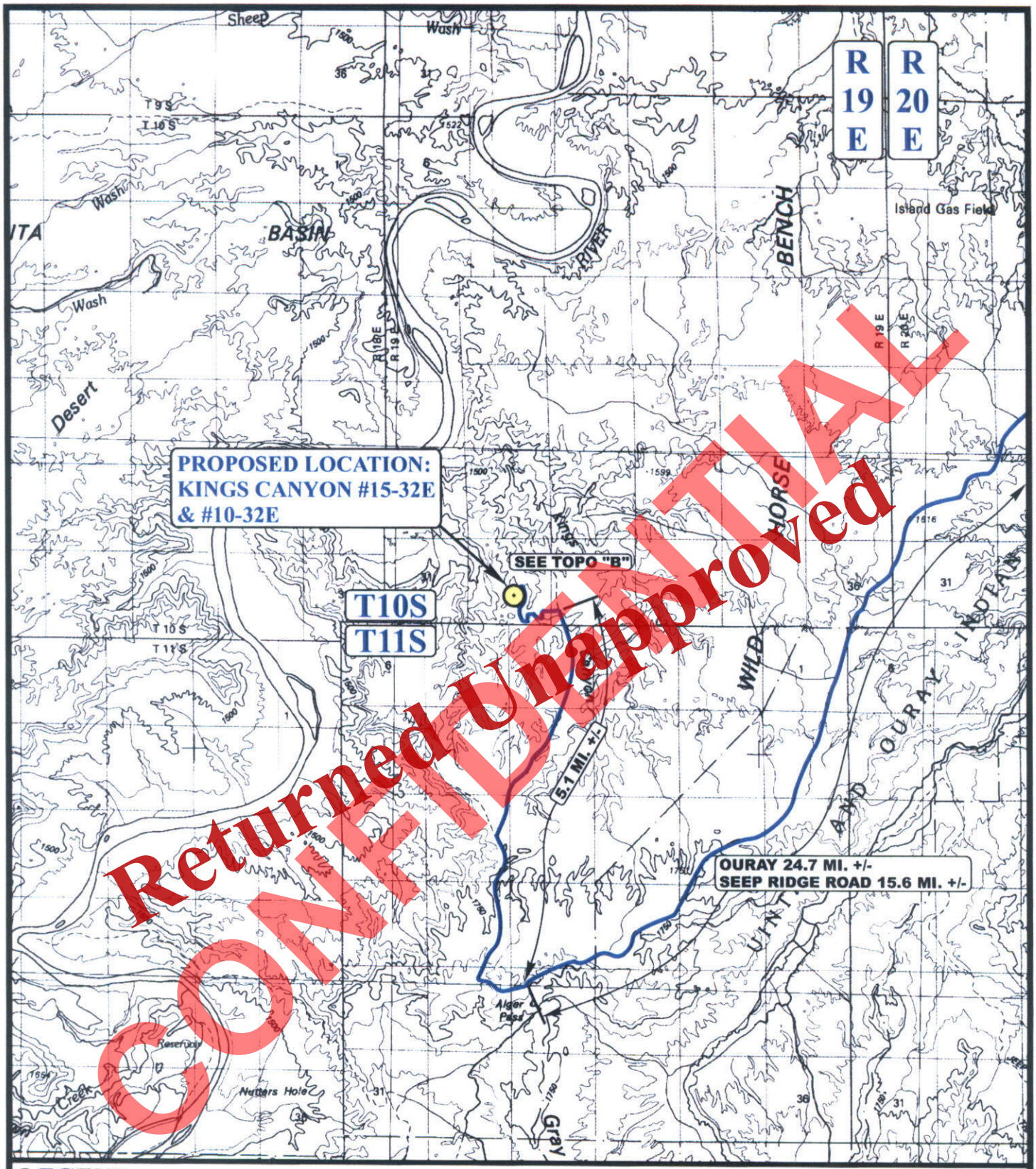
└ = 90° SYMBOL
● = PROPOSED WELL HEAD.
▲ = SECTION CORNERS LOCATED.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789–1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	05–19–06	05–24–06
PARTY: B.B. T.A. A.S. L.K.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	FILE: XTO ENERGY, INC.	

API Well Number: 43047520460000

API Well Number: 43047520460000



LEGEND:

PROPOSED LOCATION

N

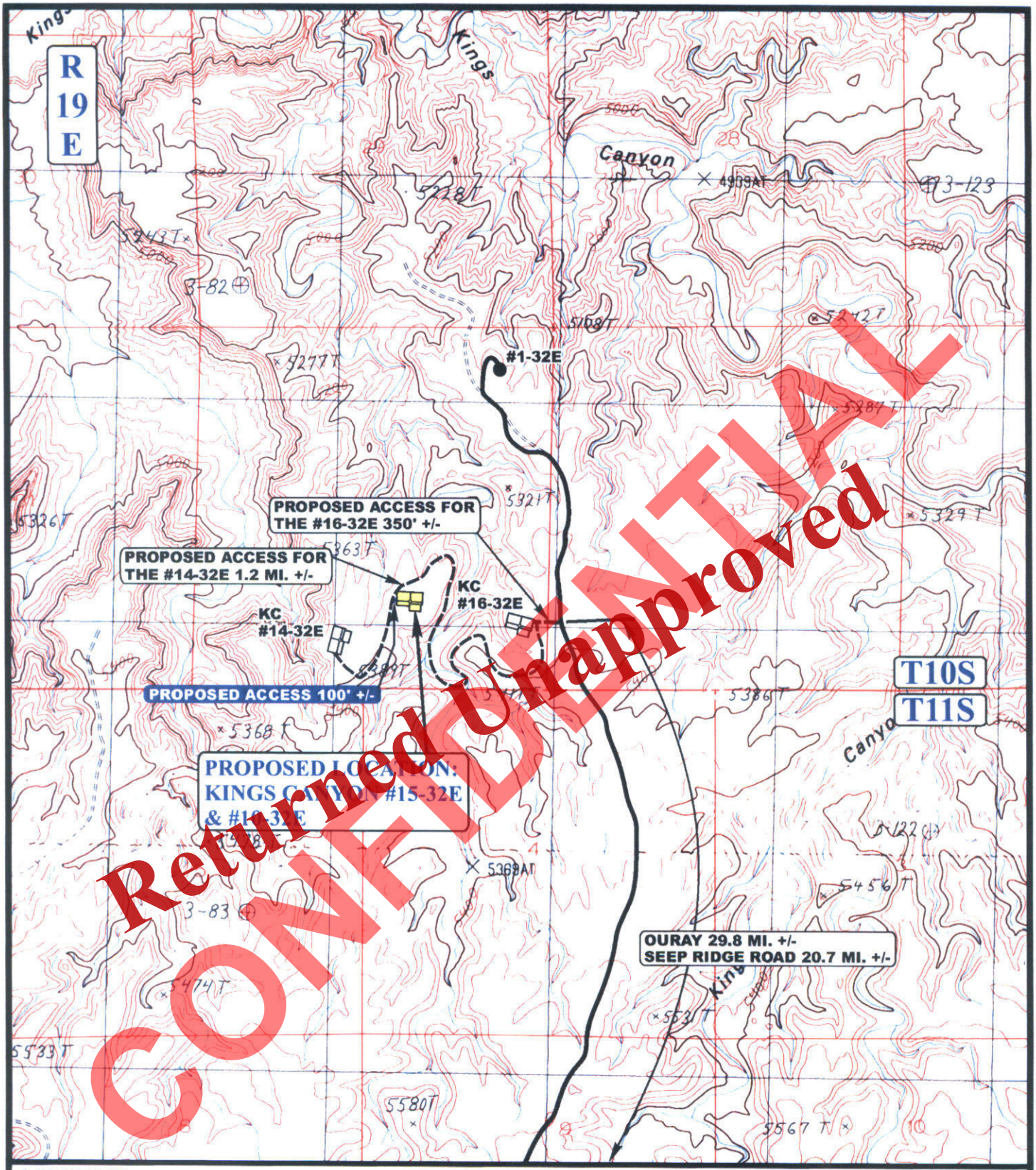
XTO ENERGY, INC.

KINGS CANYON #15-32E & #10-32E
SECTION 32, T10S, R19E, S.L.B.&M.
SW 1/4 SE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	26 DAY	06 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: C.H.	REV: 11-27-07 C.C.		

EXHIBIT A



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

XTO ENERGY, INC.

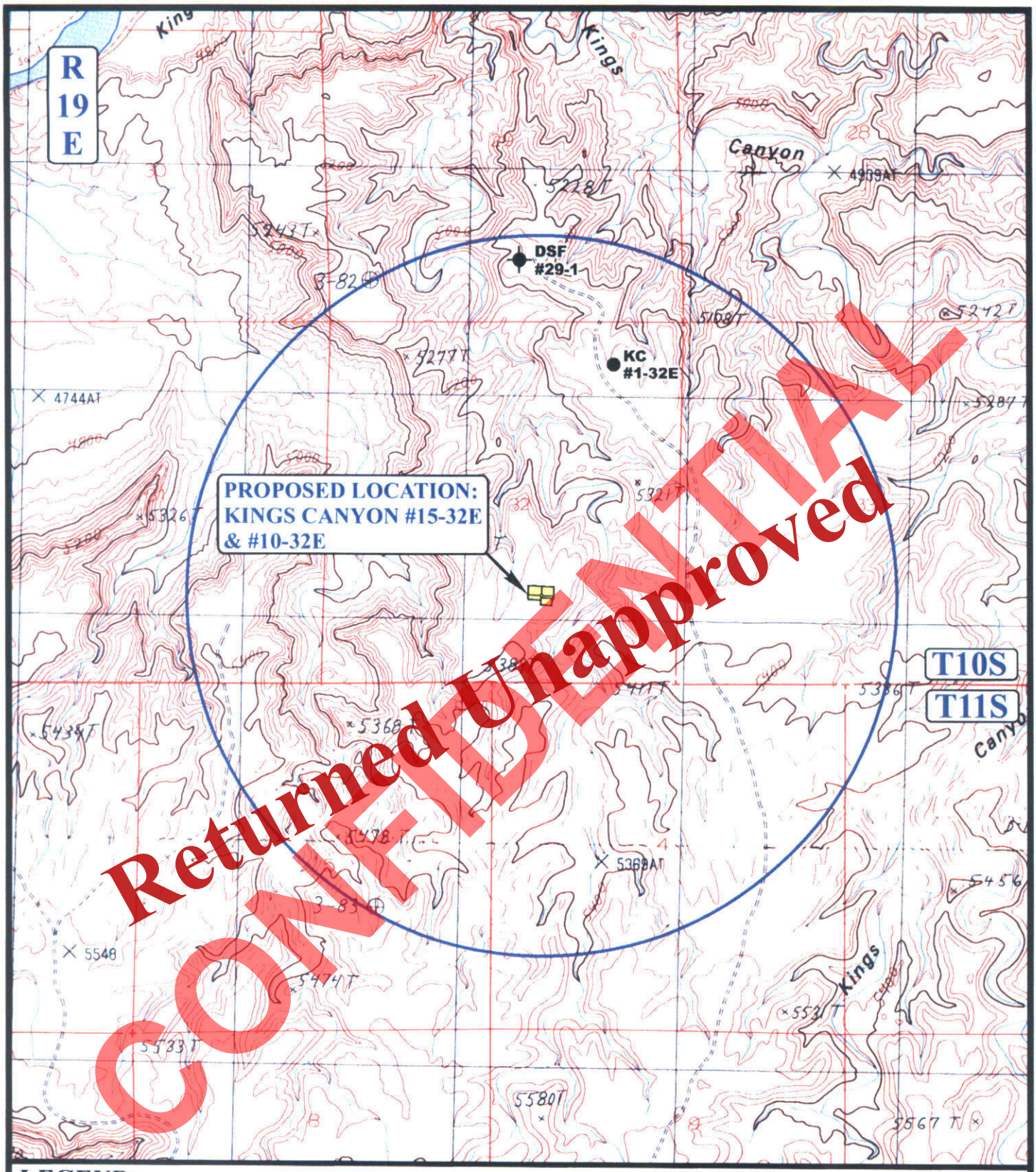
KINGS CANYON #15-32E & #10-32E
SECTION 32, T10S, R19E, S.L.B.&M.
SW 1/4 SE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	26 DAY	06 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: C.H.	REV: 11-27-07 C.C.		

EXHIBIT B

API Well Number: 43047520460000



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

XTO ENERGY, INC.

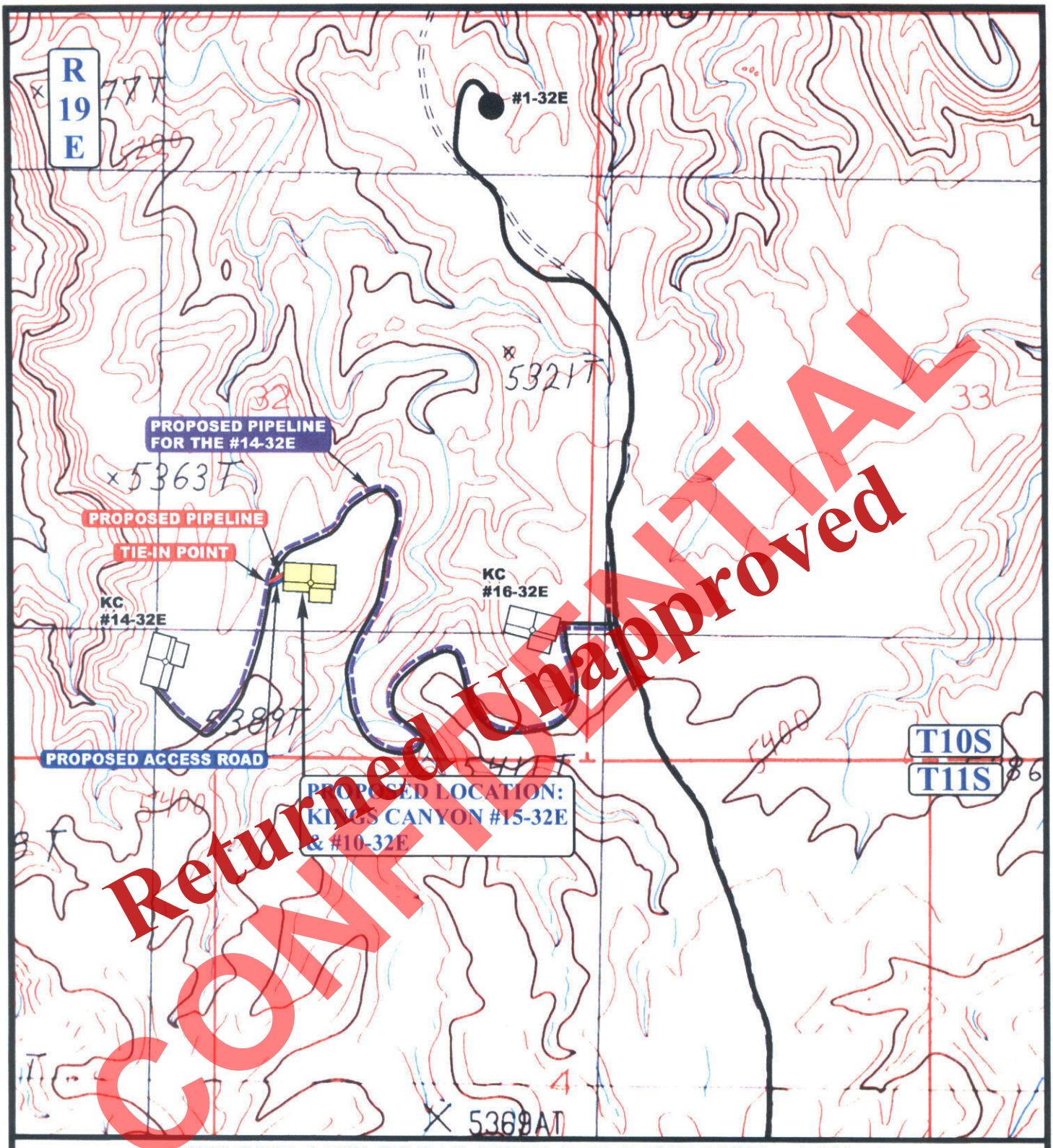
KINGS CANYON #15-32E & #10-32E
SECTION 32, T10S, R19E, S.L.B.&M.
SW 1/4 SE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	26 DAY	06 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: C.H.	REV: 11-27-07 C.C.		

EXHIBIT C

API Well Number: 43047520460000



APPROXIMATE TOTAL PIPELINE DISTANCE = 140' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE

N

XTO ENERGY, INC.

KINGS CANYON #15-32E & #10-32E
SECTION 32, T10S, R19E, S.L.B.&M.
SW 1/4 SE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	26 DAY	06 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: C.H.	REV: 11-27-07 C.C.		

EXHIBIT D

API Well Number: 43047520460000

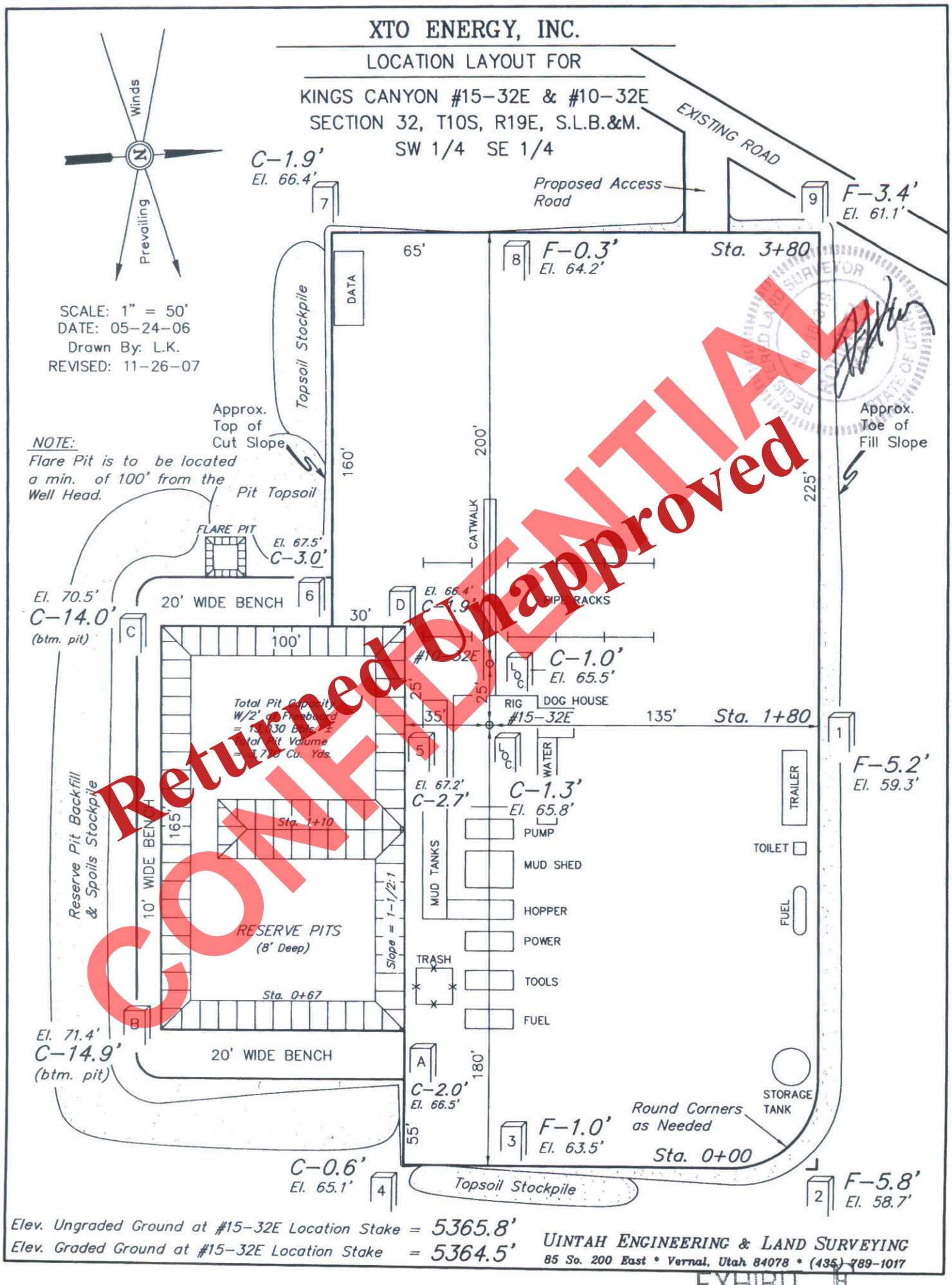


EXHIBIT E

XTO ENERGY, INC.

KINGS CANYON #15-32E & #10-32E

LOCATED IN UINTAH COUNTY, UTAH
SECTION 32, T10S, R19E, S.L.B.&M.

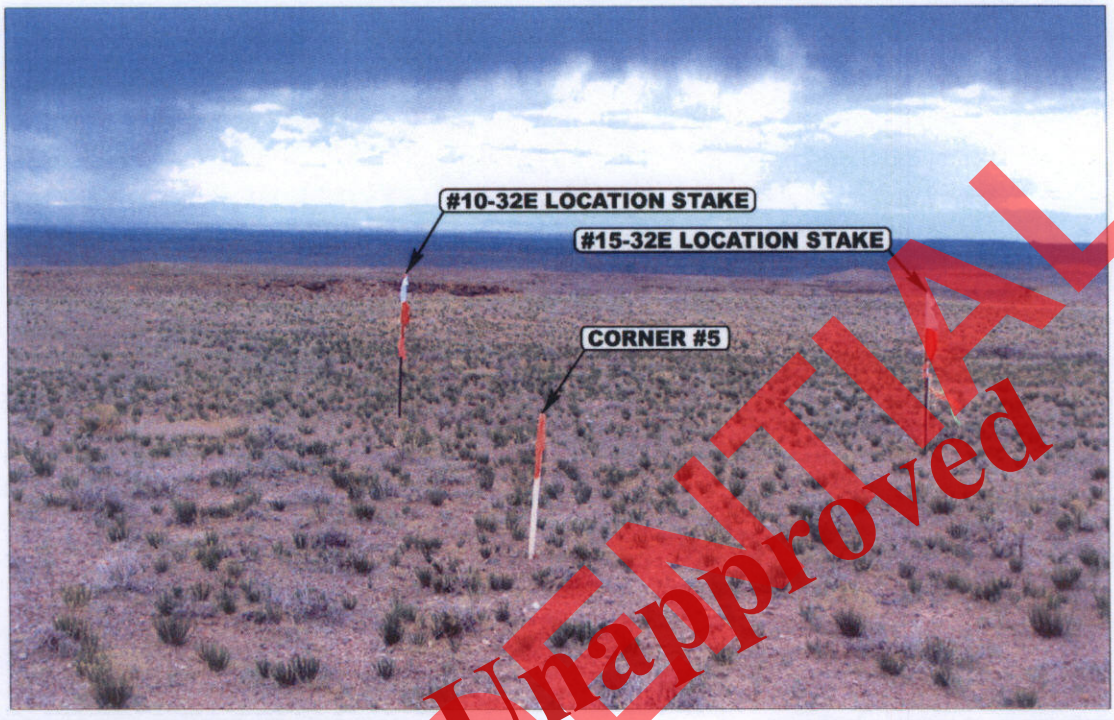


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: NORTHEASTERLY**

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: EASTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	05 MONTH	26 DAY	06 YEAR	PHOTO
TAKEN BY: T.A.	DRAWN BY: C.H.	REV: 11-27-07 C.C.		

XTO ENERGY, INC.
KINGS CANYON #15-32E & #10-32E
SECTION 32, T10S, R19E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 5.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #16-32E TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 350' TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #14-32E TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY, THEN SOUTHWESTERLY, THEN NORTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 1.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 100' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 62.1 MILES.

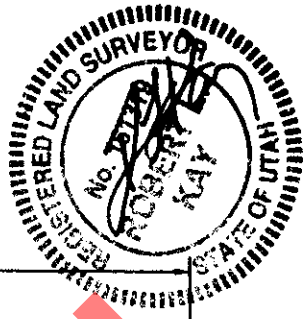
XTO ENERGY, INC.

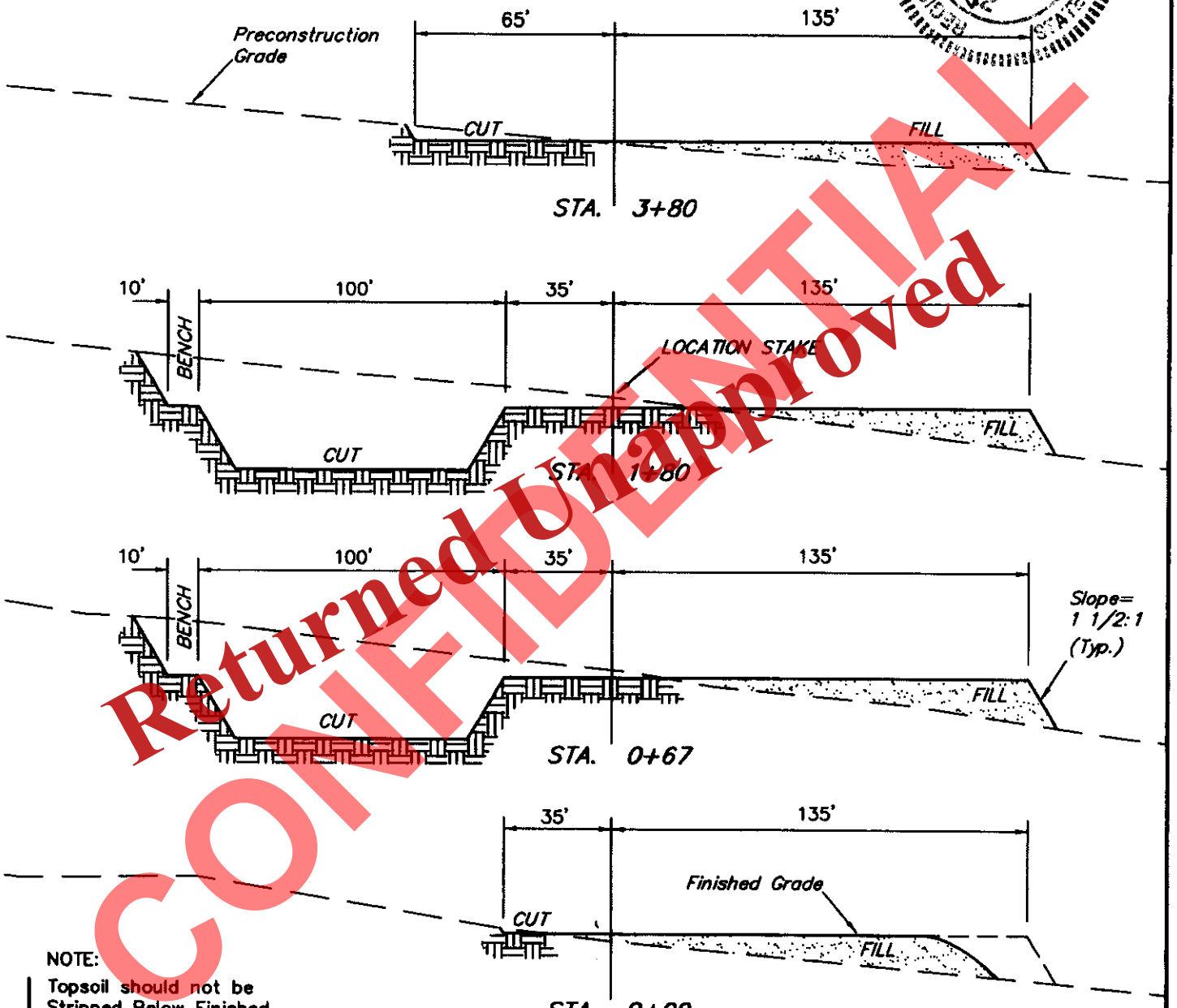
TYPICAL CROSS SECTIONS FOR

KINGS CANYON #15-32E & #10-32E
SECTION 32, T10S, R19E, S.L.B.&M.
SW 1/4 SE 1/4

1" = 20' V
1" = 50' H
X-Section Scale

DATE: 05-24-06
Drawn By: L.K.
REVISED: 11-26-07





NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping = 1,900 Cu. Yds.

Remaining Location = 8,190 Cu. Yds.

TOTAL CUT = 10,090 CU.YDS.

FILL = 6,300 CU.YDS.

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

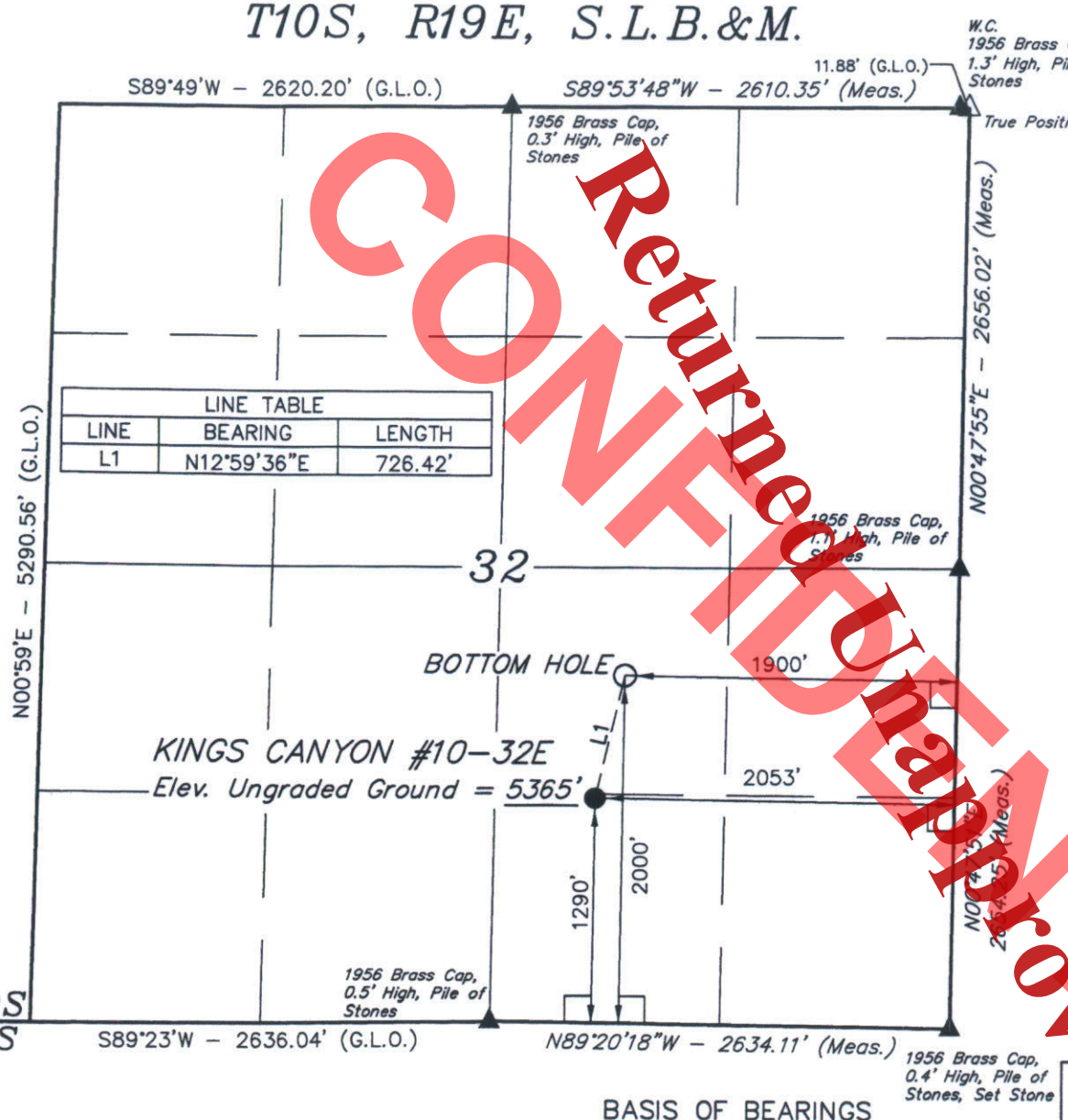
EXCESS MATERIAL = 3,790 Cu. Yds.

Topsoil & Pit Backfill (1/2 Pit Vol.) = 3,790 Cu. Yds.

EXCESS UNBALANCE (After Interim Rehabilitation) = 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

T10S, R19E, S.L.B.&M.



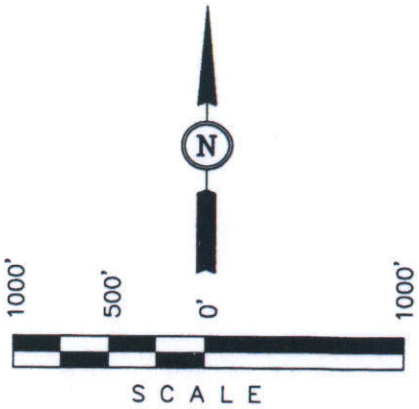
LINE TABLE		
LINE	BEARING	LENGTH
L1	N12°59'36"E	726.42'

XTO ENERGY, INC.

Well location, KINGS CANYON #10–32E, located as shown in the SW 1/4 SE 1/4 of Section 32, T10S, R19E, S.L.B.&M., Uintah County Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 11–26–07

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(NAD 83)
LATITUDE = 39°53'59.39" (39.899831)
LONGITUDE = 109°48'12.71" (109.803531)
(NAD 27)
LATITUDE = 39°53'59.52" (39.899867)
LONGITUDE = 109°48'10.20" (109.802833)

LEGEND:

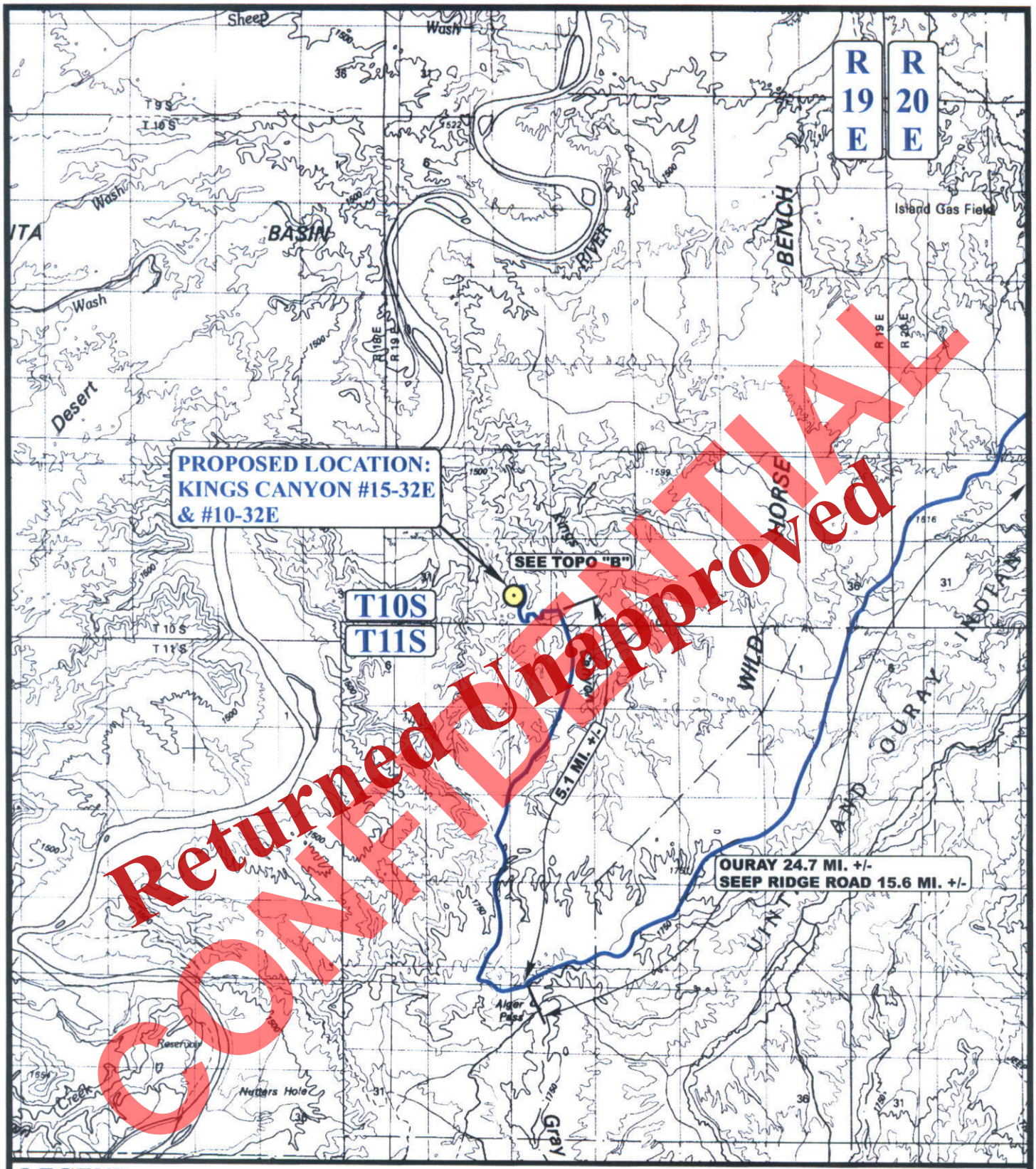
└ = 90° SYMBOL
● = PROPOSED WELL HEAD.
▲ = SECTION CORNERS LOCATED.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789–1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	05–19–06	05–24–06
PARTY: B.B. T.A. A.S. L.K.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	FILE: XTO ENERGY, INC.	

API Well Number: 43047520460000

API Well Number: 43047520460000



LEGEND:

PROPOSED LOCATION

N

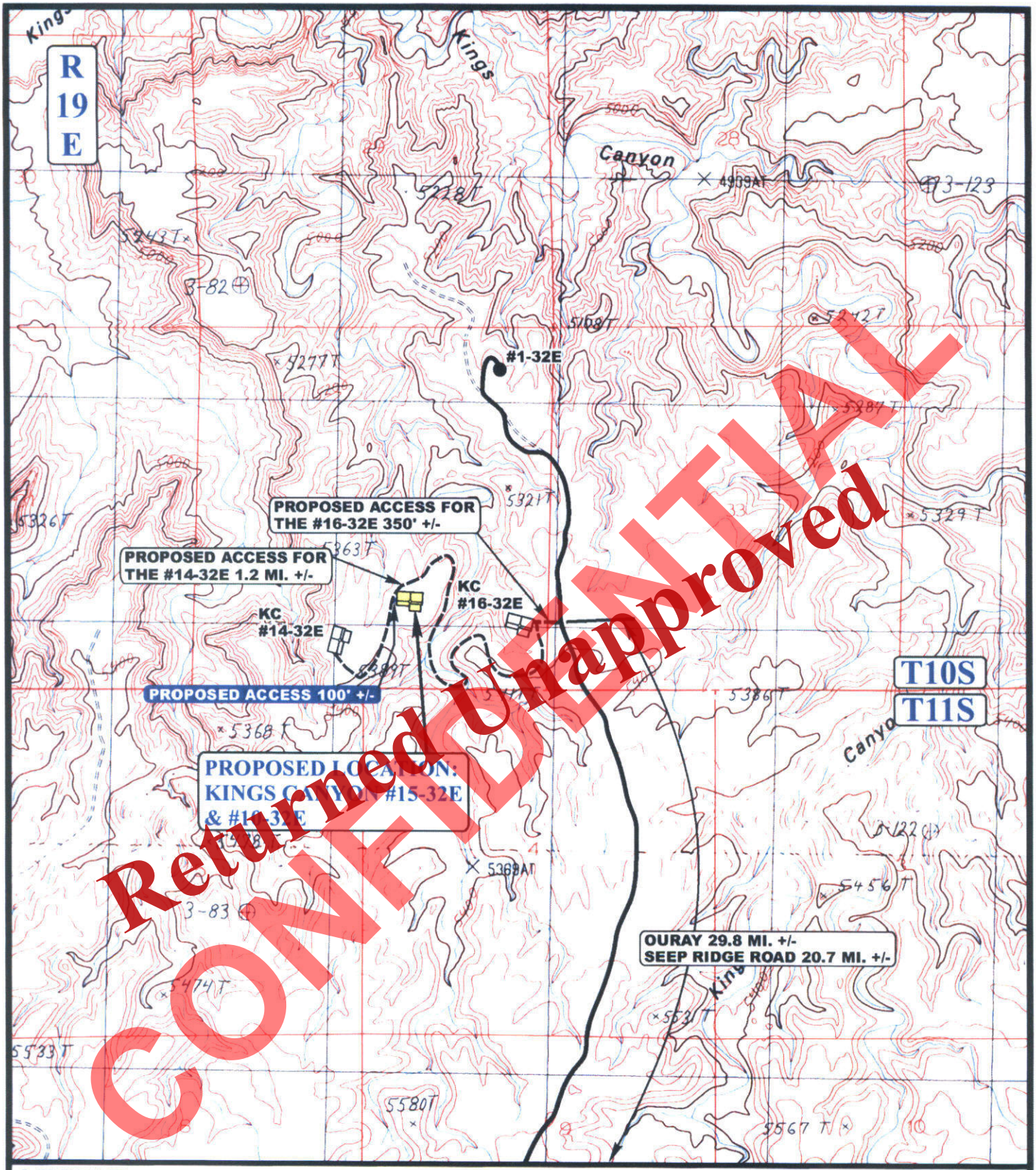
XTO ENERGY, INC.

KINGS CANYON #15-32E & #10-32E
SECTION 32, T10S, R19E, S.L.B.&M.
SW 1/4 SE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	26 DAY	06 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: C.H.	REV: 11-27-07 C.C.		

EXHIBIT A



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

XTO ENERGY, INC.

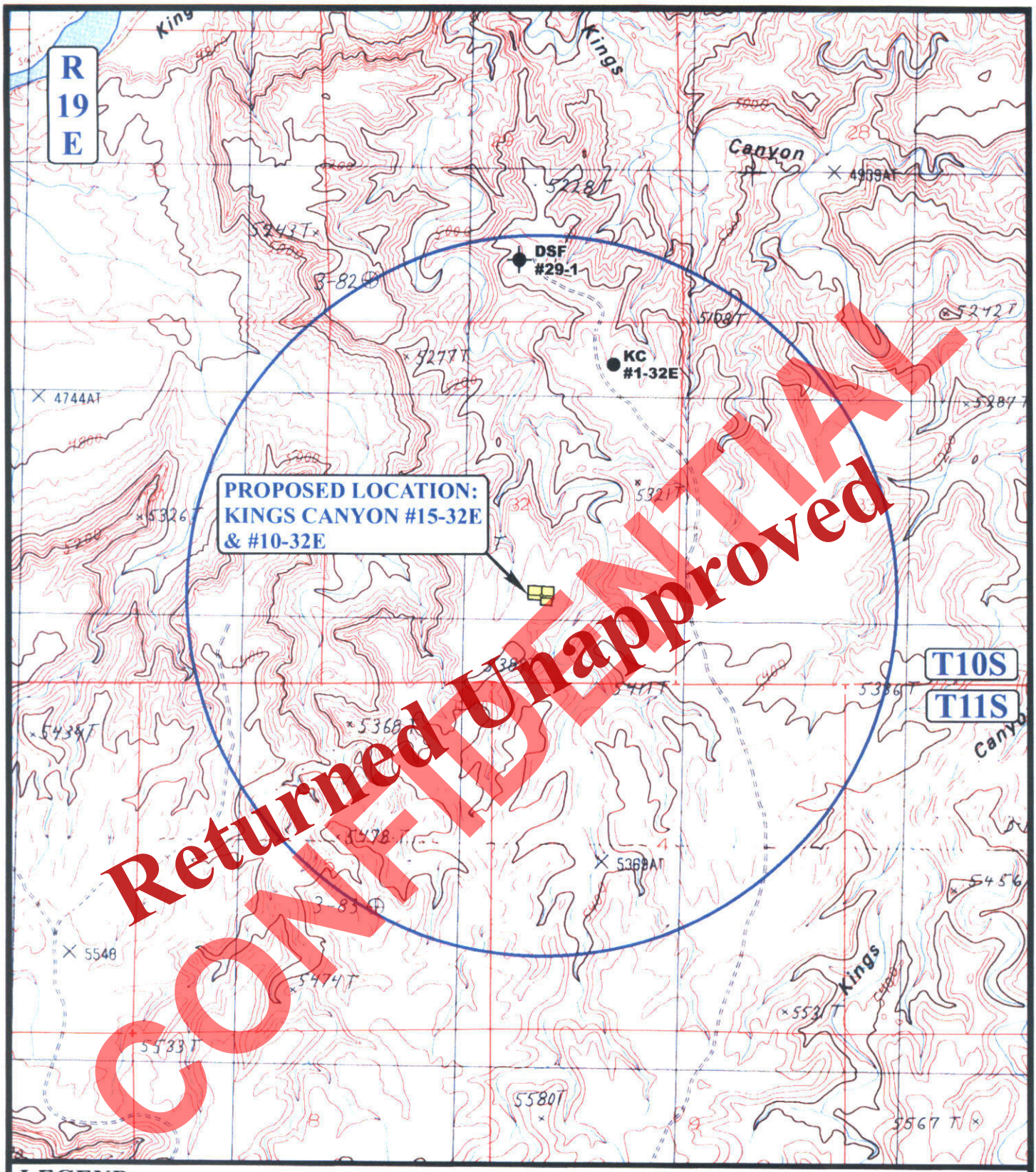
KINGS CANYON #15-32E & #10-32E
SECTION 32, T10S, R19E, S.L.B.&M.
SW 1/4 SE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	26 DAY	06 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: C.H.	REV: 11-27-07 C.C.		

EXHIBIT B

API Well Number: 43047520460000



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

XTO ENERGY, INC.

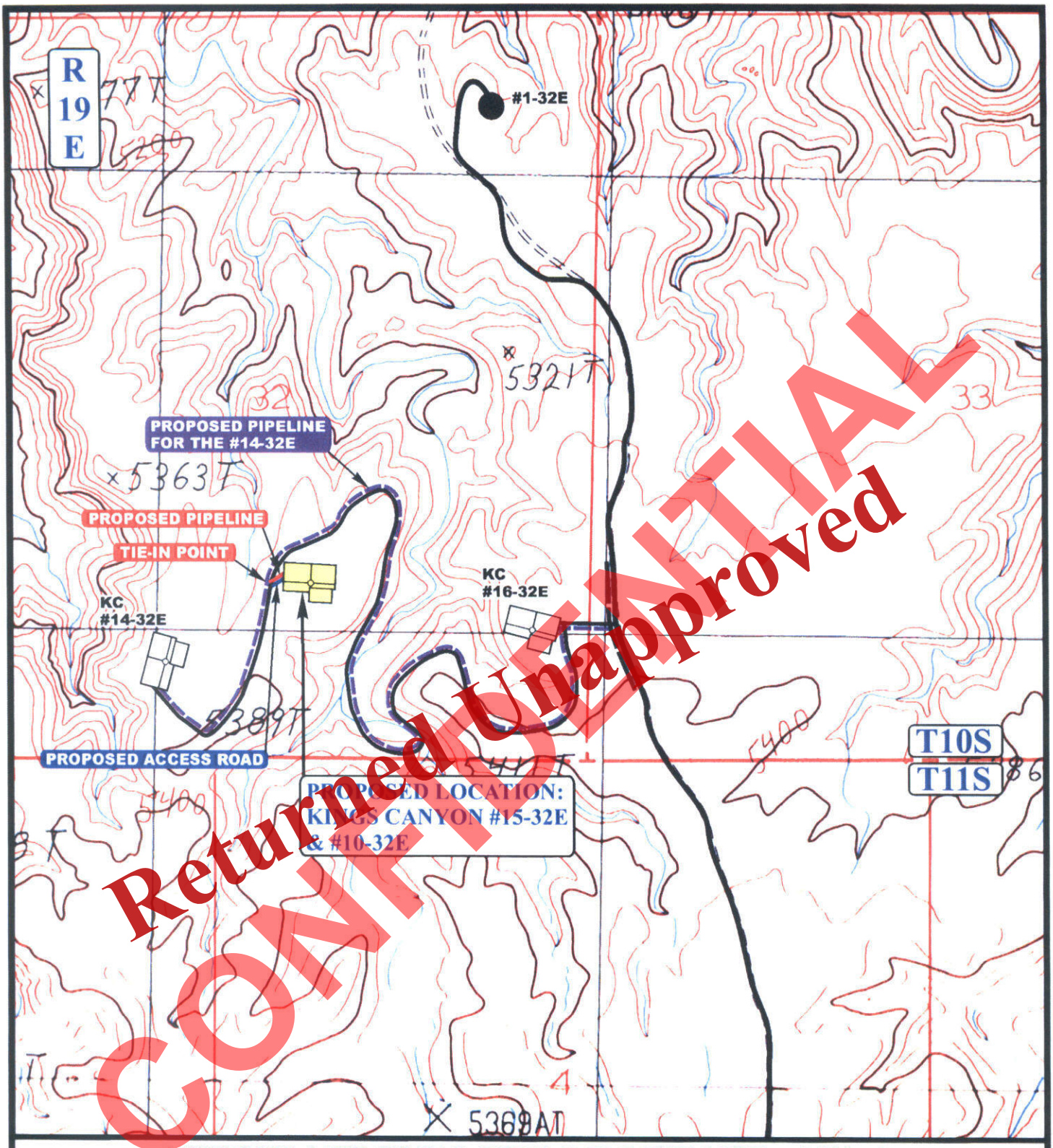
KINGS CANYON #15-32E & #10-32E
SECTION 32, T10S, R19E, S.L.B.&M.
SW 1/4 SE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	26 DAY	06 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: C.H.	REV: 11-27-07 C.C.		

EXHIBIT C

API Well Number: 43047520460000



APPROXIMATE TOTAL PIPELINE DISTANCE = 140' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE

N

XTO ENERGY, INC.

KINGS CANYON #15-32E & #10-32E
SECTION 32, T10S, R19E, S.L.B.&M.
SW 1/4 SE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	26 DAY	06 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: C.H.	REV: 11-27-07 C.C.		

EXHIBIT D

API Well Number: 43047520460000

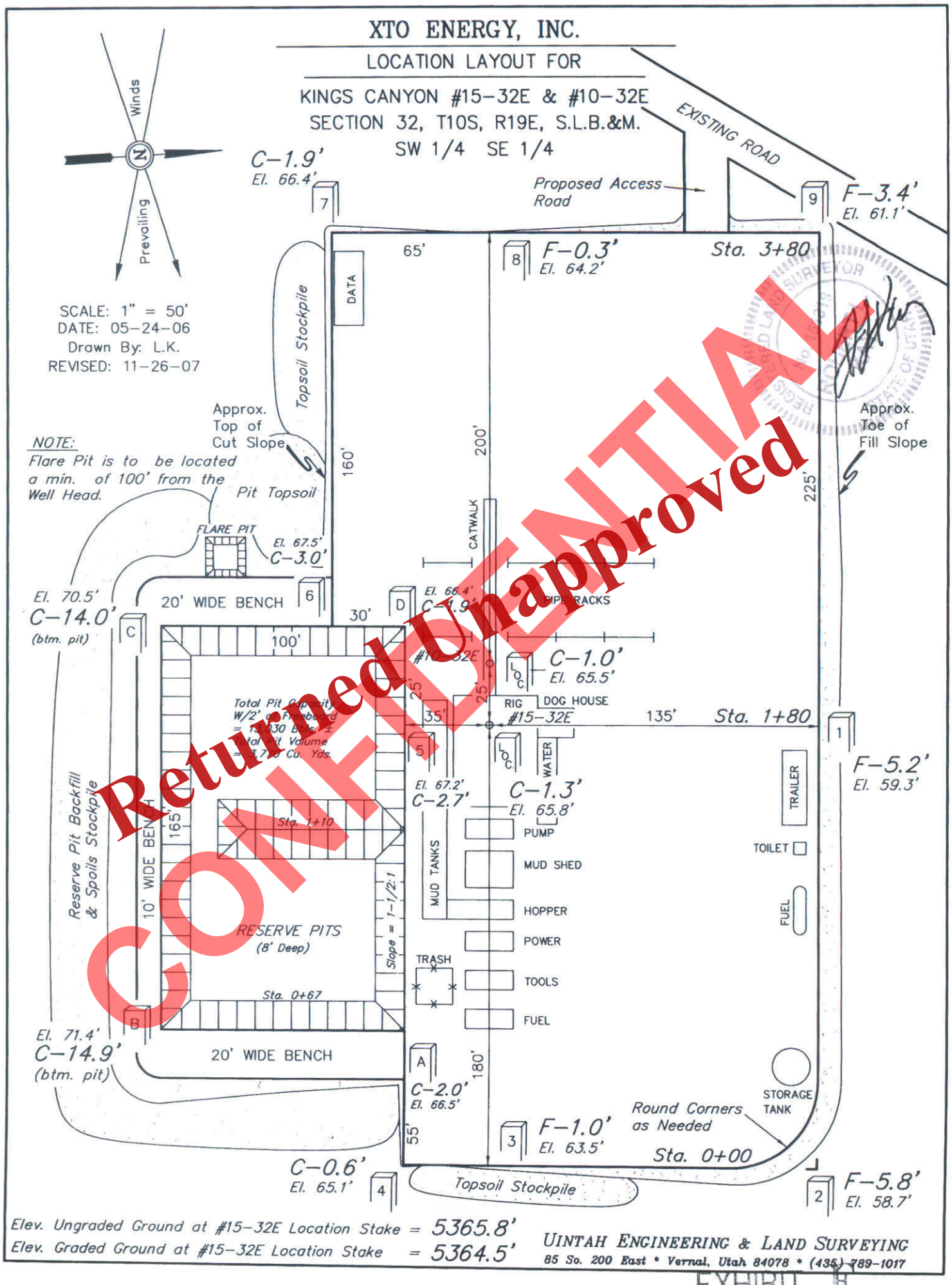
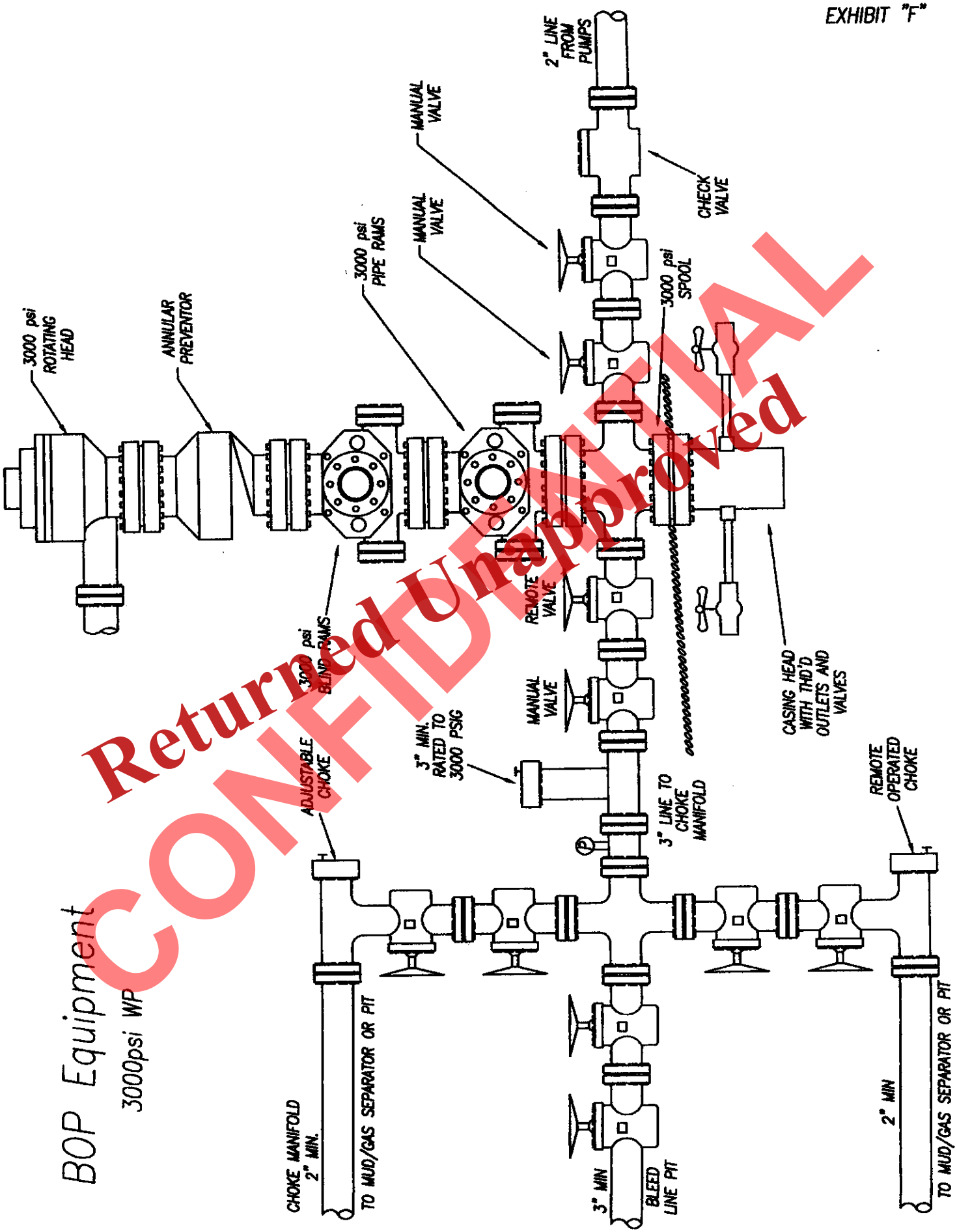


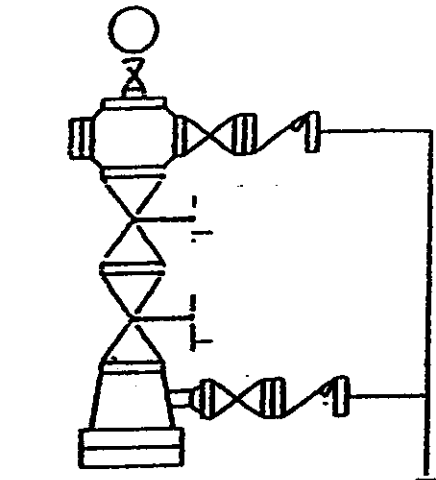
EXHIBIT E

EXHIBIT "F"



BOP Equipment

3000psi WP



WELLHEAD (typ)

BL, G, C, W
(± 100')

LEGEND

O = Oil Line
G = Gas Line
W = Water Line
R = Relief Line (Pressure)
C = Condensate Line
V = Vent Line
D = Drain Line
M = Gas Meter
P = Pump
BP = Back Pressure Valve
SWS = Sealed When Shipping
SUS = Sealed Unless Shipping
T = Heat Traced Line
H = Heater
BL = Buried Line
= Valve
= Check Valve
SC = Sealed Closed Valve
NC = Normally Closed
BD = Blowdown Line

BD. BL

W. BL

SEP

±100'

Relief

300 bbl Tank
(condensate)

BL, C

SC

SUS

GLYCOL
REBOILER
&
CONTACT
TOWER

GAS SALES LINE

The site security plan is on file in DEPJ's district office located at 1400 N. State St., Roosevelt, UTah. It can be inspected during office hours, from 6:30 AM thru 3:30 PM, Monday thru Friday..

XTO ENERGY

September 30, 2011

State of Utah
Division of Oil, Gas and Mining
PO BOX 145801
Salt Lake City, UT 84114

RE: Directional Drilling Regulation R649-3-11

Well Name: KC 10-32E
Surface Location: 1290' FSL & 2053' FEL, SW/4 SE/4
Target: 2000' FSL & 1900' FEL, NW/4 SE/4
Section 32, T10S, R19E, SLB&M, Uintah County, Utah

To Whom It May Concern:

Pursuant to the filing of XTO Energy Inc. Application of Permit to Drill, regarding the proposed KC 10-32E on July 8, 2011, we are hereby submitting this letter in accordance with Oil and Gas Conservation Rule R649-3-11 pertaining to Exception to Location and Sitting of Wells.

- XTO Energy Inc. is permitting this well as a directional drill well in order to minimize surface disturbance. Locating the well at the surface location and directionally drilling from this location, XTO will be able to utilize the existing road and pipelines along with the se use of an existing well pad in the area.
- Furthermore, the location of this well and its wellbore is no closer than 460 feet from the unit boundary or an uncommitted Federal or un-leased tract within the Unit Area. XTO Energy Inc. is the sole owner within 460 feet of the entire directional wellbore.

Therefore, based on the above stated information, XTO Energy Inc. requests the permit be granted pursuant to R649-3-11.

Please feel free to contact me with any questions you may have.

Thank you,

Krista Wilson

Krista Wilson
Permitting Tech.
XTO Energy Inc.
505-333-6647
Krista_wilson@xtoenergy.com

Operator Certification:

a. Permitting and Compliance:

Krista Wilson
Permitting Tech.
XTO Energy Inc.
382 CR 3100
Aztec NM 87410
505-333-3100

b. Drilling and Completions:

Justin Niederhofer
XTO Energy Inc.
382 CR 3100
Aztec, NM 87410
505-333-3100

c. Certification:

I hereby certify that I or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or XTO Energy Inc., are responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Executed this 30th day of September, 2011.

Signature: Krista Wilson
Krista Wilson

API Well Number: 43047520460000

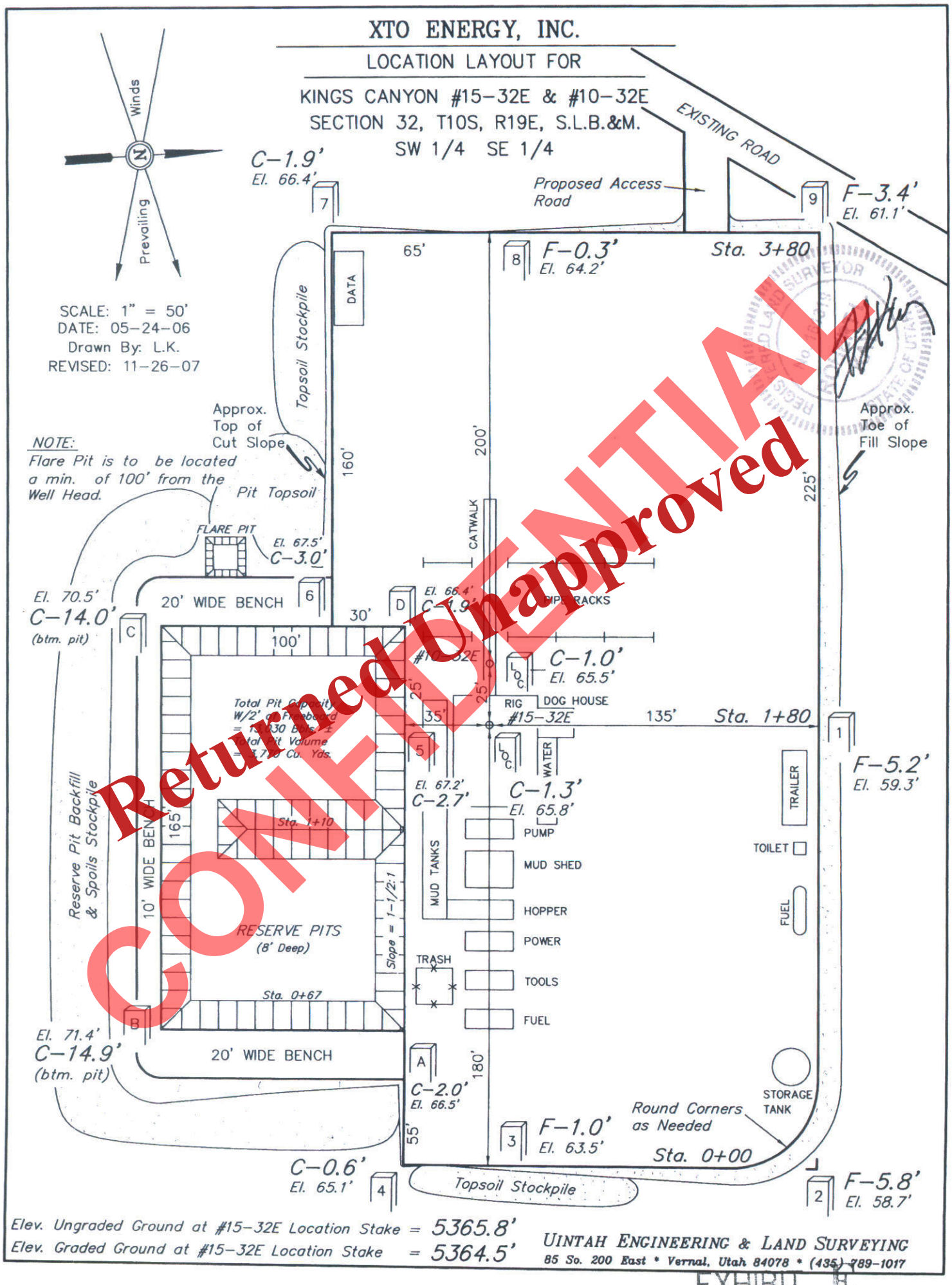
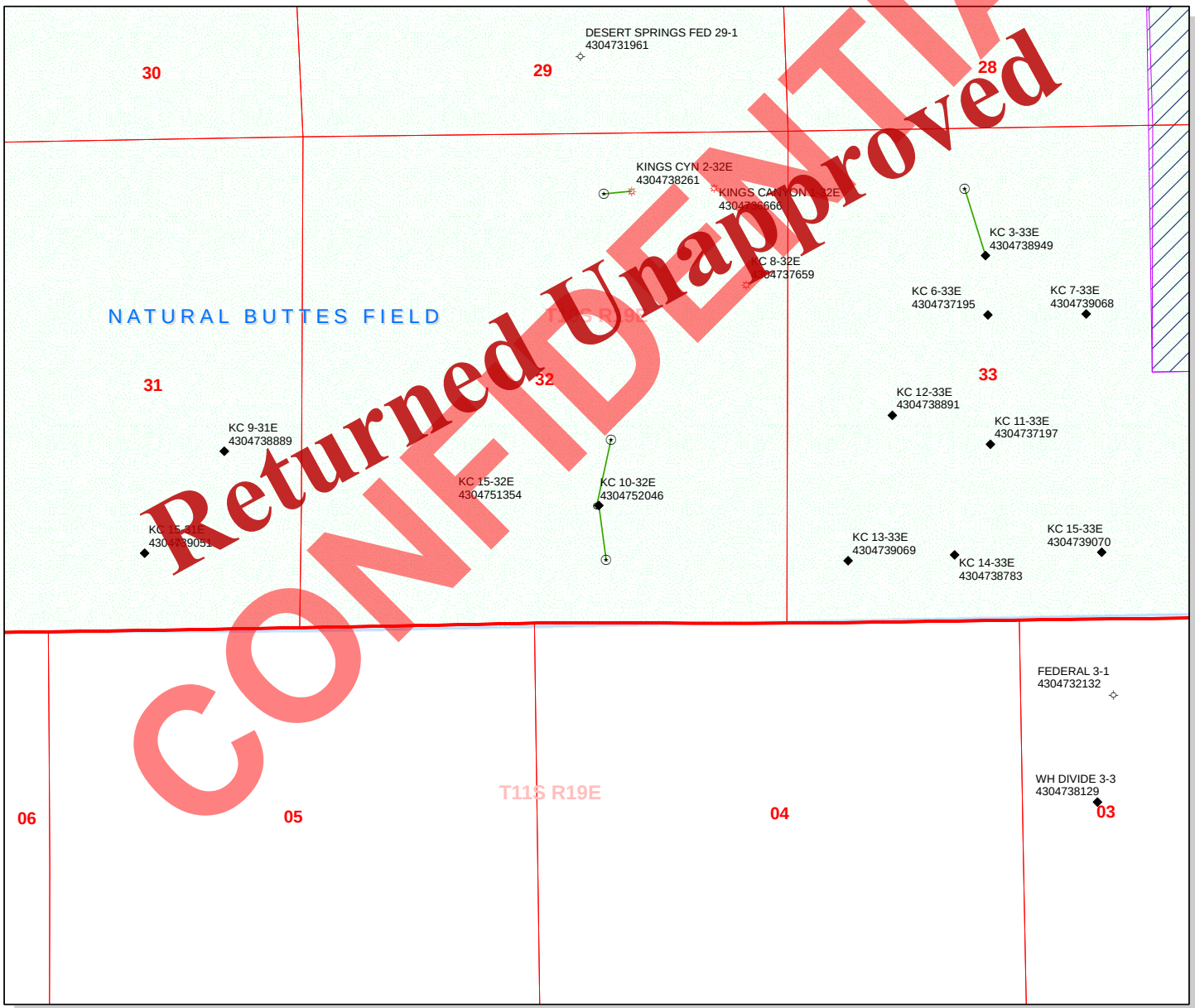


EXHIBIT E

API Well Number: 43047520460000



API Number: 4304752046

Well Name: KC 10-32E

Township T1.0 . Range R1.9 . Section 32

Meridian: SLBM

Operator: XTO ENERGY INC

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
ACTIVE
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED

Fields
STATUS
Unknown
ABANDONED
ACTIVE
COMBINED
INACTIVE
STORAGE
TERMINATED

Wells Query
Status
APD - Aproved Permit
DRL - Spuded (Drilling Commenced)
GIW - Gas Injection
GS - Gas Storage
LA - Location Abandoned
LOC - New Location
OPS - Operation Suspended
PA - Plugged Abandoned
PGW - Producing Gas Well
POW - Producing Oil Well
RET - Returned APD
SGW - Shut-in Gas Well
SOW - Shut-in Oil Well
TA - Temp. Abandoned
TW - Test Well
WDW - Water Disposal
WIW - Water Injection Well
WSW - Water Supply Well

1,400 700 0 1,400 Feet

1:13,324

Received: October 03, 2011

API Well Number: 43047520460000

BOPE REVIEW XTO ENERGY INC KC 10-32E 43047520460000

Well Name	XTO ENERGY INC KC 10-32E 43047520460000			
String	Surf	Prod		
Casing Size(")	9.625	5.500		
Setting Depth (TVD)	2146	10000		
Previous Shoe Setting Depth (TVD)	0	2146		
Max Mud Weight (ppg)	8.8	9.2		
BOPE Proposed (psi)	0	3000		
Casing Internal Yield (psi)	3520	7740		
Operators Max Anticipated Pressure (psi)	4600	8.8		

Calculations	Surf String	9.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	982		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	724	NO	FW/Spud mud
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	510	NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	510	NO	No expected pressure
Required Casing/BOPE Test Pressure=		2146	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi	*Assumes 1psi/ft frac gradient

Calculations	Prod String	5.500"		
Max BHP (psi)	.052*Setting Depth*MW=	4784		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3584	NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2584	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3056	NO	Reasonable
Required Casing/BOPE Test Pressure=		3000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		2146	psi	*Assumes 1psi/ft frac gradient

Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	
*Max Pressure Allowed @ Previous Casing Shoe=			psi	*Assumes 1psi/ft frac gradient

Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	

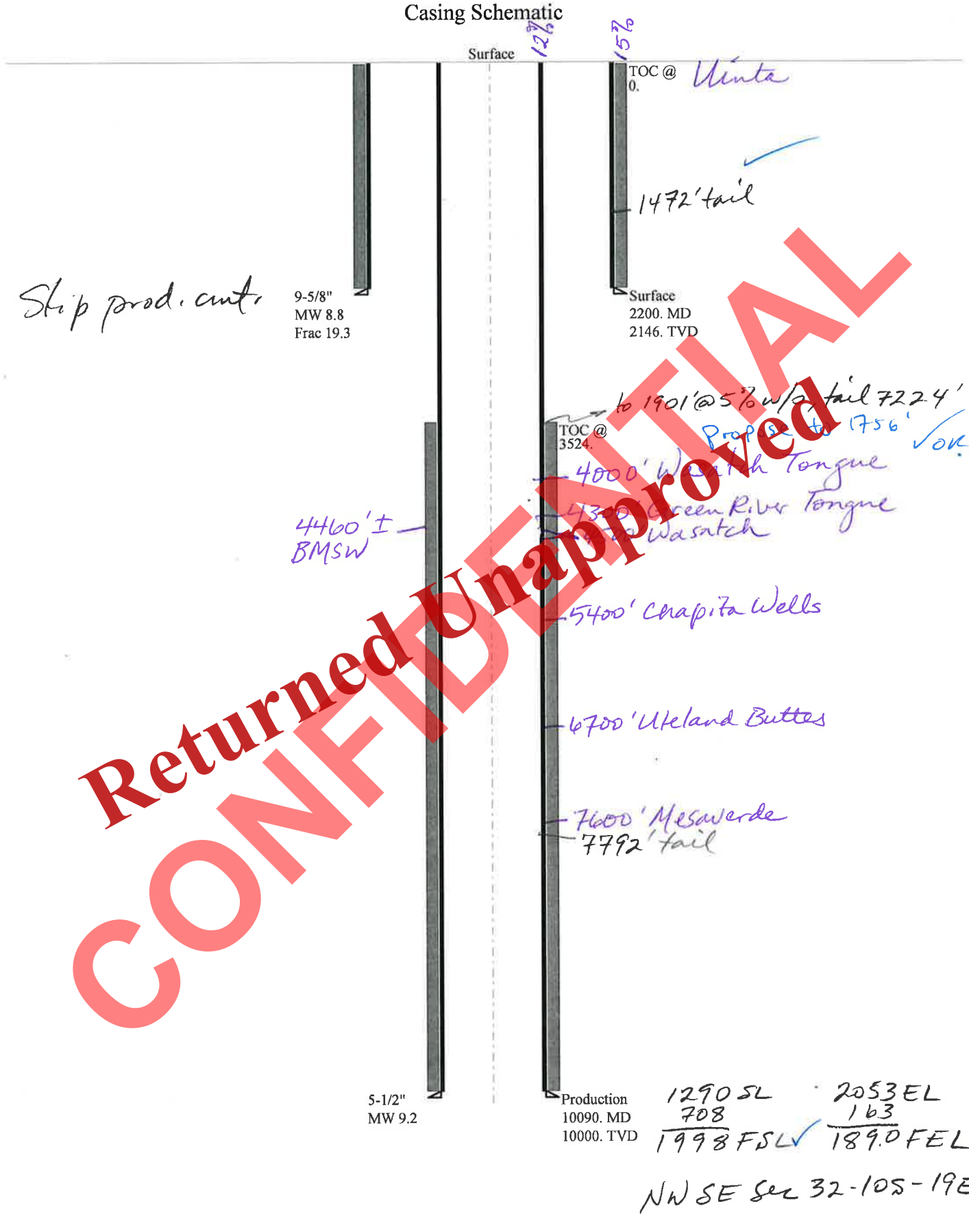
Received: December 29, 2011

***Max Pressure Allowed @ Previous Casing Shoe=**		psi *Assumes 1psi/ft frac gradient

Received: December 29, 2011

43047520460000 KC 10-32E

Casing Schematic



Ship prod. cmt.

to 1901' @ 5% w/a, tail 7224'

Propose to 1756' ✓ OK.

1290 SL
708
1998 FSL ✓

2053 EL
163
1890 FEL ✓ OK.

NW SE Sec 32-10S-19E

Well name:	**43047520460000 KC 10-32E**
Operator:	**XTO ENERGY INC**
String type:	Surface
Project ID:	43-047-52046
Location:	UINTAH COUNTY

Design parameters:

Collapse
Mud weight: 8.800 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,936 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,194 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 1,910 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 104 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

Directional Info - Build & Drop
Kick-off point 300 ft
Departure at shoe 430 ft
Maximum dogleg: 3 °/100ft
Inclination at shoe: 15.09 °

Re subsequent strings:
Next setting depth: 10,090 ft
Next mud weight: 9.200 ppg
Next setting BHP: 4,822 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,200 ft
Injection pressure: 2,200 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	2200	9.625	36.00	J-55	ST&C	2146	2200	8.796	19122

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	981	2020	2.059	2194	3520	1.60	77.3	394	5.10 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: December 28,2011
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 2146 ft, a mud weight of 8.8 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**43047520460000 KC 10-32E**
Operator:	**XTO ENERGY INC**
String type:	Production
Project ID:	43-047-52046
Location:	UINTAH COUNTY

Design parameters:

Collapse
Mud weight: 9.200 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 2,579 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,779 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 8,695 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 214 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 3,524 ft

Directional Info - Build & Drop
Kick-off point 300 ft
Departure at shoe: 726 ft
Maximum dogleg: 3 °/100ft
Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	10090	5.5	17.00	N-80	LT&C	10000	10090	4.767	56871

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	4779	6290	1.316	4779	7740	1.62	170	348	2.05 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: December 28,2011
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 10000 ft, a mud weight of 9.2 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

August 09, 2012

XTO ENERGY INC
382 Road 3100
Aztec, NM 87410

Re: Application for Permit to Drill - UINTAH County, Utah

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the KC 10-32E well, API 43047520460000 that was submitted September 30, 2011 is being returned unapproved. If you plan on drilling this well in the future, you must first submit a new application.

Should you have any questions regarding this matter, please call me at (801) 538-5312.

Sincerely,

Diana Mason
Environmental Scientist

Enclosure
cc: Bureau of Land Management, Vernal, Utah

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING